

## **Historic, archived document**

Do not assume content reflects current scientific knowledge, policies, or practices.



62.81

1923

TOP  
NOTCH  
SEEDS



**RUSSELL-HECKLE SEED CO**  
WHOLESALE **MEMPHIS, TENN.** RETAIL



# Wilt-Resistant Tomatoes



Gulf State Market Tomatoes

From every part of the country come reports of the loss of the tomato crop because of wilt. So serious was the situation that the Department of Agriculture of the United States began breeding a number of varieties that were wilt resistant. From the several varieties sent to us here, we have selected those we regard as the most desirable. If you have been disappointed in growing tomatoes because of diseases, such as wilt or leaf curl, you will be interested in these hardy, wilt-resistant kinds: The Norton, a late variety; Columbia, a desirable bright red color, of medium maturity, and we have also listed the celebrated Gulf State Market Tomato, put out by Messrs. D. M. Ferry & Co.

We have secured our seed from reliable growers and we can recommend them to our customers in every way.

## Norton Wilt-Resistant

Somewhat larger than Stone, which variety it resembles in every way, but has a longer bearing season, very smooth, excellent flavor, solid, bright red color; ripens in mid-season and will bear until frost. Plants also stand almost any kind of weather conditions and are blight resistant. **Pkt., 10c; oz., 50c; ¼ lb., \$1.50.** Parcel post paid.

## Columbia Wilt-Resistant

All customers pronounce this one of the best main crop reddish pink varieties of tomatoes. A little earlier than Stone, fully one-third larger, just as smooth and solid as an apple. Flesh is very solid, having but very few seed; ripens up to the stem; wonderful cropper. Any one wanting a large fancy pink-red tomato will get it by planting this variety, besides it is wilt resistant. **Pkt., 10c; oz., 50c; ¼ lb., \$1.75.** Parcel post paid.

## Gulf State Market Tomato

Produced by D. M. Ferry & Co., and it is the celebrated variety which caused such a sensation around Crystal Springs, Miss. Description as follows:

Gulf State Market is earlier than any other purple tomato; the vines are exceptionally robust. This makes it less susceptible to blight than other varieties, with the probability of a perfect stand and perfect yield when weather conditions are favorable. Our tests this past season were very satisfactory in this respect. However, in some sections, in extreme drought it showed a little wilt, but, in our opin-

ion, Gulf State Market is about 75% wilt resistant.

It grows low and close together, permitting the tops to be trimmed to advantage; fruit is almost true globe shape, entirely free from cracks, blemishes about the blossom end; fruit on the same cluster ripens uniformly, making it economical variety to pick. Fruit is a rich purplish pink clear to the stem. It will outyield both in bulk and number of fruit any other variety of tomato today.

A number of our gardeners have tried it out satisfactorily and reported that the fruit grew in clusters, 18 to 20 tomatoes in one large bunch, and they were simply delighted as to its production and quality, its stability to resist wilt and leaf curl. In our opinion, here is a variety that is good for the market gardener as well as for the small planter on account of its quality, productiveness and size. Don't hesitate or fail to plant Gulf State Market Tomato. Our stock is genuine, bought from the introducers. Price: **Per pkt., 15c; ½ oz., \$1.00; oz., \$1.50; ¼ lb., \$5.00.** Parcel post paid.

For all other standard varieties of Tomatoes, such as are suited to this section, see Page 23 for description and prices.



GARDEN SEEDS

FLOWER SEEDS

COTTON SEED

SOY BEANS

LES PEDEZA

VELVET BEANS

ALFALFA

SEED PEANUTS

GRASSES

RAPE

MILLET

SPRAYERS

SORGHUM

INSECTICIDES

SEED OATS

FERTILIZERS

SEED POTATOES

POULTRY FOOD

COW PEAS

PEANUTS

SEED CORN

SOY BEANS



**RUSSELL-HECKLE**  
**SEED CO.**  
 24 SOUTH FRONT ST.  
 WHOLESALE WAREHOUSE  
 417 SOUTH MAIN ST.  
**MEMPHIS TENN.**  
**TOP NOTCH SEEDS**

## Green Ink Special Price List No. 30

On "Top Notch" Garden and Field Seeds and Fertilizers  
 Described in Our 1923 Spring Catalog.

JANUARY 3, 1923.

**OUR PROMISE**—We will endeavor to ship you only stocks that we have every reason to feel proud of—we will examine every shipment before it leaves for you to see that it is right. We want you to be successful with the seeds you buy from us. We want every purchase to be satisfactory to you—more than that we will do everything in our power to make your trading with us a pleasure.

These are special prices in effect today F. O. B. Memphis on larger quantities than are quoted in the Catalog. The Catalog goes to the printer so early that prices on various crops have not been determined, therefore we can only quote in the Catalog prices on very small quantities.

You will note these Green Ink prices are much lower than the Catalog—they represent the regular market prices in Memphis today on seeds of the extra fine quality we handle. We could furnish cheaper seed, but they would not produce anything like as good crops as our "Top-Notch" seeds, so you would lose money by planting them. The very best quality you can buy in seeds will be the cheapest to you in the long run.

All prices quoted on this Green Ink List are for immediate acceptance and subject to market changes and unsold stocks. Some crops are short this year and prices may advance any day. We will protect our customers as long as we are able, but we are often forced to advance our prices from day to day, according to changes in the market. All prices on this green ink list are F. O. B. Memphis. Customers pay all carrying charges, either by express or freight, or parcel post. If you order to come by parcel post, be sure to include money for postage.

**TERMS:**—Cash with order.





**BUSH BEANS—Green Pod, Bu. 60 Lbs.**

Catalog Page 6	Gal.	Peck	Bu.
Black Valentine .....	\$1.65	\$3.10	\$11.50
Bountiful .....	1.60	3.00	11.00
Burpee's Stringless .....	1.55	2.85	10.50
Giant Stringless .....	1.55	2.85	10.50
Hopkins Earliest Valentine .....	1.40	2.50	9.00
Improved Red Valentine .....	1.40	2.50	9.00
Longfellow .....	1.45	2.60	9.50
Mohawk Six Weeks .....	1.45	2.60	9.50
Refugee or 1000 to 1 .....	1.45	2.60	9.50
Tenn. Green Pod .....	1.55	2.85	10.50

**BUSH BEANS—Wax Pod, Bu. 60 Lbs.**

Catalog Page 5	Gal.	Peck	Bu.
Golden Wax Improved .....	\$1.40	\$2.50	\$ 9.00
Hodson's Wax .....	1.50	2.75	10.00
Prolific Black Wax .....	1.40	2.50	9.00
Round Pod Wax .....	1.55	2.85	10.50
Wardwell's Kidney Wax .....	1.45	2.60	9.50

**BUSH LIMA BEANS—Bu. 60 Lbs.**

Catalog Page 5	Gal.	Peck	Bu.
Fordhook Bush Lima .....	\$1.80	\$3.55	\$13.25
Henderson's Bush Lima .....	1.70	3.20	12.00
Wood's Prolific Bush Lima .....	1.70	3.20	12.00

**POLE OR RUNNING BEANS—Bu. 60 Lbs.**

Catalog Page 7	Gal.	Peck	Bu.
Burgers Stringless Green Pod .....	\$1.70	\$3.30	\$12.50
Georgia Pole .....	1.70	3.30	12.50
Golden Cluster Wax .....	1.80	3.40	13.00
Kentucky Wonder .....	1.70	3.25	12.50
Kentucky Wonder Wax .....	1.70	3.25	12.50
Lazy Wife .....	1.70	3.30	12.50
McCasland Pole .....	1.85	3.60	13.50
Red Speckled Cut Short .....	1.65	3.10	11.50
Southern Creasback .....	1.55	2.85	10.50
Scotia Striped Cornfield .....	1.70	3.25	12.50
White Dutch Case Knife .....	1.70	3.30	12.50

**POLE LIMA OR BUTTER BEANS—Bu. 60 Lbs.**

Catalog Page 8	Gal.	Peck	Bu.
Carolina Sieve, Small Butter .....	\$1.70	\$3.30	\$12.00
Calico Speckled Butter .....	1.70	3.30	12.50
King of the Garden Lima .....	1.70	3.30	12.50
Large White Lima .....	1.65	3.20	12.00
Russell-Heckle Monster Lima .....	1.80	3.40	13.00
Giant Poddled Lima .....	1.80	3.40	13.00

**ENGLISH PEAS—Smooth Varieties, Bu. 60 Lbs.**

Catalog Page 19	Gal.	Peck	Bu.
Alaska .....	\$1.40	\$2.50	\$ 8.75
Ameer .....	1.40	2.60	9.50
Claudit .....	1.45	2.60	9.50
First and Best .....	1.45	2.60	9.50
Large White Marrowfat .....	1.20	2.20	8.00

**ENGLISH PEAS—Wrinkled, Bu. 56 Lbs.**

Catalog Page 19	Gal.	Peck	Bu.
American Wonder .....	\$1.55	\$2.85	\$10.50
Champion of England .....	1.50	2.75	10.00
Everbearing .....	1.50	2.90	10.50
Gradus or Prosperity .....	1.65	3.20	12.00
Horsford's Market Garden .....	1.55	3.00	11.00
Laxtonian .....	1.55	2.85	10.50
McLean's Little Gem .....	1.60	3.00	11.00
Nott's Excelsior .....	1.60	3.10	11.50
Telephone .....	1.65	3.10	11.50
Thos. Laxton .....	1.65	3.20	12.00

**GARDEN CORN—Bu. 56 Lbs.**

Catalog Page 13	Gal.	Peck	Bu.
Extra Early Adams .....	\$ .70	\$1.15	\$3.75
Early Surprise .....	.60	.95	3.25
Elam's Early Market .....	.75	1.20	4.00
Improved Adams .....	.70	1.15	3.75
Large Adams .....	.70	1.15	3.75
Large White Flint .....	.55	1.00	3.75

**SUGAR CORN—(Sold Measured Bushel)**

Catalog Page 13	Gal.	Peck	Bu.
Burpee's White Evergreen .....	\$ .80	\$1.35	\$4.50
Country Gentleman .....	.80	1.35	4.50
Golden Bantam .....	.80	1.35	4.50
Golden Giant .....	1.20	2.25	8.50
Howling Mob .....	.95	1.60	5.50
Henderson's Sugar .....	.90	1.50	5.25
Kendall's Giant .....	.80	1.35	4.50
Mammoth Sugar .....	.80	1.35	4.50
Morse Golden Cream .....	.80	1.30	4.50
Stowell's Evergreen .....	.80	1.35	4.50

**ONION SETS**

Catalog Page 17	Gal.	Peck	Bu.
Egyptian Red Shallots, bu. 28 lbs.....	\$ .45	\$ .75	\$2.50
Red Wethersfield, bu. 32 lbs.....	.45	.75	2.50
Yellow Danvers, bu. 32 lbs.....	.45	.75	2.50
White Silverskin, bu. 32 lbs.....	.55	.90	3.00
White Multiplier, bu. 28 lbs.....	.80	1.50	5.50
Yellow Potato Sets, bu. 32 lbs.....	.75	1.40	5.00

**SEED IRISH POTATOES, Bu. 60 Lbs.**

Catalog Page-20	Bu.	2½ Bu. Bag Per Bag
Early Ohio .....	\$2.00	\$4.50
Irish Cobbler .....	2.10	4.75
New York Early Rose .....	1.90	4.25
N. Y. Burbank .....	1.90	4.25
Red Triumph .....	2.20	5.00
Lookout Mountain .....	.....	.....

**SEED SWEET POTATOES—Bu. 45 Lbs.**

Catalog Page 20	Bu.	5 Bu. Per Bu.
Nancy Hall .....	\$.....	\$.....
Porto Rico Yams .....	.....	.....

**FIELD SEED CORN—Bu. 56 Lbs.**

Catalog Pages 40, 41, 42	Peck	Bu.	5 Bu. Per Bu.
Boone County White .....	\$ .65	\$2.10	\$2.00
Cocke's Prolific .....	.90	3.10	3.00
Elam's Early Cropper .....	1.15	4.00	3.90
Hasting's Prolific .....	.85	2.80	2.70
Hickory King .....	.85	2.80	2.70
Iowa Silver Mine .....	.60	1.85	1.75
Iowa Gold Mine .....	.60	1.85	1.75
Mosby's Prolific .....	.80	2.70	2.55
Mexican June .....	.....	.....	.....
North Carolina Prolific .....	.80	2.70	2.55
Neal's Paymaster .....	.85	2.70	2.55
Red Cob Ensilage .....	.85	2.80	2.70
Russell-Heckle Gourd Seed, Red Cob .....	1.00	3.60	3.50
Russell-Heckle Early White Dent.....	.60	1.85	1.75
St. Chas. White, Red Cob .....	.60	1.85	1.75
Snowflake .....	.75	2.60	2.50
Tait's White Dent .....	.85	2.85	2.75
Tenn. Mammoth White, Red Cob....	.80	2.70	2.55
Russell-Heckle Ea. Yellow Dent.....	.65	2.10	2.00
Reid's Early Yellow Dent .....	.60	1.85	1.75
Tenn. Mammoth Yellow .....	.80	2.40	2.30
Yellow Leaming .....	.60	1.80	1.70

**POPCORN**

Catalog Page 42	10-Lbs	100-Lbs.
Japanese Hulless .....	\$1.40	\$12.00
Queen's Golden .....	1.75	15.00
White Rice .....	1.00	8.50

**SEED OATS—Bu. 32 Lbs.**

Catalog Page 48	Bu.	5-Bu. Per Bu.	25-Bu. Per Bu.
Ea. Burt or 90 Day Oats.....	\$1.00	\$ .90	\$ .85
Georgia Appler .....	1.00	.85	.80
Georgia Fulghums .....	1.10	.95	.90
Red Rust Proof .....	1.00	.85	.80



**COTTONSEED, Bu. 32-Lbs.**

Catalog Pages 34 to 39	Bu.	100-Lb. Bag	500-Lbs. Per Cwt.
Acala No. 5 .....	\$2.25	\$ 6.25	\$ 6.00
Cleveland Big Boll .....	2.25	6.25	6.00
Delfos No. 6102 .....	5.00	15.50	15.25
Deltatype Webber .....	2.60	9.00	8.75
Express No. 350 .....	1.75	4.75	4.50
King's Improved .....	2.25	6.25	6.00
Lone Star .....	2.25	6.25	6.00
Mebane Early Triumph .....	2.25	6.25	6.00
Simpkin's Prolific .....	2.25	6.25	6.00
Wannamaker - Cleveland .....	2.25	6.25	6.00
Webber 49 .....	1.75	4.75	4.50
Half and Half .....	2.00	5.25	5.00
Rowden Big Boll .....	2.25	6.25	6.00

**GRASS SEEDS—Top Notch Brand**

Catalog Pages 46, 47	10-Lbs.	Bu.	100-Lbs.
Bermuda Grass, bu. 40 lbs.....	\$3.60	\$13.75	\$32.00
Billion Dollar Grass, bu. 40 lbs.....	1.10	3.25	7.50
Canada Blue Grass, bu. 14 lbs.....	3.10	4.25	28.00
Carpet Grass, bu. 14 lbs.....	3.40	4.50	30.00
Evergreen Lawn Grass, bu. 14 lbs.....	3.50	5.00	32.00
English Rye Grass, bu. 14 lbs.....	2.15	3.00	18.00
Italian Rye Grass, bu. 14 lbs.....	2.15	3.00	18.00
Ky. Blue Grass, bu. 14 lbs.....	3.70	5.25	34.00
Meadow Fescue, bu. 14 lbs.....	2.10	2.75	18.00
Orchard Grass, bu. 14 lbs.....	2.25	3.00	20.00
Paspalum Dilatatum, bu. 10 lbs.....	5.00	5.00	45.00
Permanent Chicken Pasture Mixture, bu. 40 lbs.....	1.00	3.50	8.00
Permanent Hog Pasture Mixture, bu. 14 lbs.....	2.70	3.65	24.00
Permanent Meadow or Hay Mixture, bu. 14 lbs.....	2.50	3.35	22.00
Permanent Pasture Mixture, bu. 14 lbs.....	2.50	3.35	22.00
Red Top or Herd's Grass, bu. 40 lbs.....	2.90	11.25	26.00
Rhodes Grass, bu. 10 lbs.....	7.00	7.00	60.00
Sudan Grass, bu. 40 lbs.....	2.20	7.50	18.00
Tall Meadow Oat Grass, bu. 10 lbs.....	3.80	3.80	35.00
Timothy Seed, bu. 45 lbs.....	1.15	5.00	10.00
Timothy and Alsike mixed, bu. 50 lbs.....	1.70	7.75	15.00
Shady Spot, Lawn Grass, bu. 14 lbs.....	4.20	6.60	40.00
Sunny South Lawn Grass, bu. 14 lbs.....	3.30	4.75	30.00

**CLOVER SEEDS—Top Notch Brand.**

Catalog Pages 44, 45	10-Lbs	Bu.	100-Lbs.
Alfalfa, bu. 60 lbs.....	\$2.60	\$14.50	\$23.50
Alfalfa, Dakota No. 12, bu. 60 lbs.....	3.20	16.00	26.00
Alfalfa, Grimm, bu. 60 lbs.....	6.00	35.00	55.00
Alfalfa, Peruvian, bu. 60 lbs.....	3.40	18.50	30.00
Alsike Clover, bu. 60 lbs.....	2.25	12.15	19.75
Hubam Annual Sweet, bu. 60 lbs.....	4.00	22.00	35.00
Lespedeza or Japan Clover, bu. 25 lbs.....	2.25	5.00	20.00
Mam. Sapling Clover, bu. 60 lbs.....	3.20	16.25	27.00
Melilotus Sweet, unhulled, bu. 25 lbs.....	1.35	3.00	11.00
Melilotus Sweet, hulled, bu. 60 lbs.....	2.00	9.25	14.75
Red Clover, bu. 60 lbs.....	3.20	16.25	26.50
White Clover, bu. 60 lbs.....	6.50	35.00	57.50

**MILLET SEED—Bu. 50 Lbs.**

Catalog Page 49	Peck	Bu.	100-Lbs.
Tenn. Golden Millet .....	\$ .75	\$ 2.75	\$ 5.40
Western Golden .....	.65	2.25	4.50
Pearl or Cat Tail Millet.....	2.75	10.00	18.50

**MULFORD CULTURES—For Inoculating Alfalfa,  
Clover, Etc.**

Catalog Page 43	
One acre Bottle .....	\$1.50
Five acre Bottle .....	5.00

**FARMOGERM—A Pure Culture for All Legumes**

Catalog Page 43	
One acre Size .....	\$1.00
Three acre Size .....	2.50
Twelve acre Size .....	9.00

**SEED PEANUTS—Bu. 22-Lbs.**

Catalog Page 51	Peck	Bu.	100-Lbs.
Mammoth White Virginia .....	\$ .90	\$3.35	\$14.00
Tenn. Long Red .....	.75	2.75	11.00
Valencia .....	.80	3.00	12.50
White Spanish .....	.65	2.25	9.00

**FIELD BEANS—Bu. 60-Lbs.**

Catalog Page 50	Peck	Bu.	100-Lbs.
Red Kidney .....	\$2.10	\$8.00	\$12.50
Mexican Pinto .....	2.30	8.75	14.00
White Marrow .....	2.10	8.00	12.50
White Navy .....	2.10	8.00	12.50
White Kidney .....	2.10	8.00	12.50

**SORGHUM SEED—Bu. 50-Lbs.**

Catalog Page 48	Peck	Bu.	100-Lbs.
Early Amber .....	\$ .95	\$3.40	\$6.40
Early Orange .....	.95	3.40	6.40
Japanese Honey .....	1.25	4.50	8.75
Red Top Sumac .....	1.10	3.75	7.40
Texas Seeded Ribbon .....	1.25	4.50	8.75

**KAFFIR CORN, MILO MAIZE, ETC.—Bu. 50-Lbs.**

Catalog Page 48	Peck	Bu.	100-Lbs.
Feterita .....	\$ .80	\$2.75	\$5.25
Egyptian Wheat or Shallu .....	1.20	3.75	7.00
Red Kaffir Corn .....	.75	2.65	5.00
Shrock Kaffir .....	1.15	3.50	6.50
White Kaffir .....	.75	2.50	4.75
Yellow Milo Maize .....	.75	2.65	5.00

**SOY AND VELVET BEANS—Bu. 60-Lbs.**

Catalog Page 50	Peck	Bu.	5-Bu. Per Bu.
Biloxi Soy Beans .....	\$1.50	\$5.00	\$4.50
Mammoth Yellow Soy Beans.....	1.00	3.45	3.35
Early 90 Day Speckled Velvet Beans .....	.80	2.50	2.40
O-Too-Tan Soy Beans .....	2.50	8.50	8.00
Osceola Speckled Velvet Beans	1.00	3.25	3.00

**STOCK PEAS—Bu. 60-Lbs.**

Catalog Page 49	Peck	Bu.	10-Bu. Per Bu.
Black Stock Peas .....	\$.....	\$.....	\$.....
Brabham Speckled Peas .....	.....	.....	.....
Clay Stock Peas .....	.....	.....	.....
Calif. White Blackeyes .....	.....	.....	.....
Mixed Stock Peas .....	.....	.....	.....
New Eras .....	.....	.....	.....
Red Ripper Peas .....	.....	.....	.....
Sugar White Crowder .....	.....	.....	.....
Speckled Gray Crowders .....	.....	.....	.....
Unknown or Wonderful Peas....	.....	.....	.....
White Lady Peas .....	.....	.....	.....
Whips or Speckled Peas .....	.....	.....	.....

**MISCELLANEOUS FARM SEEDS**

Catalog Pages 49, 51	Peck	Bu.	100-Lbs.
Augusta Vetch, bu. 50 lbs.....	\$2.25	\$8.50	\$16.00
Broom Corn, Mo. Evergreen bu. 46 lbs.....	.90	3.10	6.50
Broom Corn, Okla. Dwarf, bu. 46 lbs.....	.90	3.10	6.50
Buckwheat, Japanese, bu. 50 lbs.....	.90	3.10	6.00
Canada Field Peas, bu. 60 lbs.....	1.50	5.25	8.00
Dwarf Essex Rape, bu. 50 lbs.....	1.75	6.50	12.50
Georgia Chufas, bu. 44 lbs.....	1.90	6.25	.....
Hairy Sand Vetch, bu. 50 lbs.....	3.25	12.50	24.00
Jerusalem Artichokes, bu. 50 lbs.....	1.25	4.00	.....
Mammoth Russian Sunflower, bu. 25 lbs.....	.....	3.75	14.00
Upland Rice, bu. 44 lbs.....	1.50	5.50	.....
Teosinte, 1-lb.....75c 10-lbs.....	\$6.50		

**FERTILIZES**

Catalog Page 57	100-Lbs.	2000-Lb. Ton
Armour's 16 per cent Acid Phosphate.....	\$1.50	\$24.00
Armour's 18 per cent Acid Phosphate.....	1.60	26.00
Armour's Cotton Guano, 10-2-1.....	2.35	40.00
Armour's Corn Special, 11-1-1 .....	2.25	38.00
Armour's Truck Guano, 8-4-3 .....	2.90	50.00
Armour's Sweet Potato Grower.....	2.75	45.00
Armour's Bone Meal .....	3.50	65.00
Pulverized Sheep Manure .....	2.50	40.00
Nitrate of Soda (200-lb. bags only).....	3.60	62.50
Muriate of Potash .....	5.25	95.00

**FULL-O-PEP POULTRY FEED.**

Catalog Page 79	25-Lbs.	50-Lbs.	100-Lbs.
Full-O-Pep Chick Starting Feed \$1.25	\$2.85	\$4.50	
Full-O-Pep Baby Chick Grain....	1.00	1.75	3.25
Full-O-Pep Coarse Chick Grain....	1.00	1.75	3.25
Full-O-Pep Growing Mash .....	1.05	2.00	3.85
Full-O-Pep Dry Mash (Hens)....	1.00	1.90	3.60
Full-O-Pep Hen Scratch .....	.85	1.60	2.85
Full-O-Pep Oatmeal (90 lb. bags) 1.50	2.75	5.00	

**BABY CHICK FEEDS**

Catalog Page 79	10-Lbs.	25-Lbs.	100-Lbs.
Cassell's Chick Manna, 5-lb.....75c.			
15-lb.....\$2.00. 60-lb.....\$7.50.			
Conkey's Buttermilk			
Starting Feed .....	\$ .70	\$1.50	\$5.50
Conkey's Buttermilk			
Growing Mash .....	.60	1.25	4.50
Blatchford's Chick Mash .....	.75	1.60	5.75
Pratt's Baby Chick Mash .....	....	1.50	5.50
Chamberlain's Baby Chick Feed ....	....	1.25	4.25

**MISCELLANEOUS POULTRY FEEDS, DOG FEEDS.**

Catalog Page 77, 78, 82	10-Lbs.	25-Lbs.	100-Lbs.
Alfalfa Meal .....	\$.....	\$.....	\$ 2.25
Blatchford's Calf Meal .....	.....	1.50	5.50
Blatchford's Lamb Meal .....	.....	1.50	5.50
Blatchford's Pig Meal.....	.....	1.50	5.50
Digester Tankage .....	.....	1.50	4.50
Dried Buttermilk .....	1.25	2.85	10.50
Fish Meal .....	.65	1.25	4.75
Linseed Meal .....	.50	1.15	4.00
Meat or Beef Scraps .....	.70	1.35	5.00
Rolled Oatmeal (90 lb. bags)....	.75	1.50	5.00
Sunflower Seed .....	1.40	3.25	12.50
Wheat Bran .....	.....	.....	1.85
Wheat (Feeding) .....	.....	.....	2.75
Miller's A-1 Dog Ration .....	.....	1.75	6.00
Perfection Dog Feed .....	.....	1.75	6.00

**GRIT, OYSTER SHELL, CHARCOAL**

Catalog Page 78	10-Lbs.	25-Lbs.	100-Lbs.
Bone Meal, fine or coarse .....	\$ .65	\$1.30	\$4.75
Crushed Oyster Shell			
Hen or Chick size .....	.25	.50	1.20
Charcoal, Hen or Pigeon .....	.70	1.25	4.00
Poultry Grit, Hen size .....	.25	.50	1.25
Poultry Grit, Chick size .....	.25	.50	1.25
Mica Crystal Grit,			
Hen and Chick size .....	.40	.80	2.50
Red Cross Pigeon Grit .....	.50	.90	3.00

**INSECTICIDES AND SPRAY MATERIALS**

Catalog Pages 58, 59	5-Lbs.	25-Lbs.	100-Lbs.
Arsenate of Lead .....	\$2.10	\$8.00	\$27.00
Bordeaux (powdered form).....	1.50	6.25	19.00
Bordeaux (with Arsenate			
of Lead) .....	2.25	7.00	23.00
Lime Sulphur (Dry) .....	1.25	4.25	14.00

Spray Pumps of all kinds.  
See catalog for description.

*Send us your orders. Articles not priced will be quoted on application. All quotations on this list are F. O. B. Memphis, terms cash with order.*

# Russell-Heckle Seed Company

## MEMPHIS, TENN.

Sales Dept. and Store  
24 South Front Street

Wholesale Warehouse  
589 South Front Street



**Memphis, Tenn.**  
24 South Front Street.

These special discounts apply only to garden and flower seeds in the size packets as stated. They do not apply to any Plants, Fruit Trees, Farm Seeds, Onion Sets, Fertilizers or Poultry Supplies. Our prices are reasonable, our discounts liberal, our seeds the best. Send us your orders. We will treat you right.

**F**  
*A*  
*A*  
*A*  
*A*  
*A*  
*A*  
*A*  
*P*  
*N*  
*M*  
**F**  
*F*  
*F*  
*F*  
*F*  
*F*  
*F*  
**B**  
**C:**  
*Cc*  
*Cc*  
*Cc*  
*Bl*  
*P<sub>1</sub>*  
*Ch*  
 =

S.

**HAVE YOU FRIENDS OR NEIGHBORS INTERESTED IN BETTER FIELD, VEGETABLE AND FLOWER SEEDS?**  
If so, please write their names below. We will send them Catalog on request, and we will send you free one of our 1923 Almanac Calendars on your request.

§  
24



## R.-H. CO'S. BIG DOLLAR COLLECTION

37 Packets of Top Notch Garden Seed for Only \$1.00, Post Paid.

At regular prices these seeds would cost exactly \$2.00, but to get you to try our Top Notch brand garden seeds we will send you by parcel post paid the following packets on receipt of \$1.00:

### BEANS

Bush, Stringless  
Green Pod  
Pole, Kentucky  
Wonder  
Sieve, Pole Butter  
Bush, Henderson's  
Lima

### BEEF

Crosby's Egyptian  
Early Blood Turnip

### CABBAGE

Charleston Wake-  
field

### COLLARD

Georgia Cabbage  
Head

### CARROT

Half Long Scarlet

### CUCUMBER

Improved Long  
Green

### CORN

Golden Bantam  
Early Surprise

### CANTALOUPE

Rocky Ford

### LETTUCE

Early Curled  
Simpson  
Big Boston

### MUSTARD

Giant Curled

### ONION

Red Wethersfield

### OKRA

White Velvet

### PEAS

Early Alaska  
Telephone

### PEPPER

Chinese, Giant  
Worldbeater

### PUMPKIN

Kentucky Yellow  
Field

### PARSNIP

Hollow Crown

### PARSLEY

Double Curled

### RADISH

Scarlet White Tip  
Icicle

### SPINACH

Curled Savoy

### SQUASH

White Bush

### SWISS CHARD

Silver Beet

### TOMATO

Ponderosa  
Early Detroit

### TURNIP

White Flat  
Purple Top Globe

### WATERMELON

Tom Watson



No Change in the Above Selection Will Be Allowed.

Page	Page	Page	Page
Alfalfa .....44	Dog Foods, Remedies .....82	Milo Maize .....48	Quantity Seed Per Acre ..... 3
Almanac ..... 2	Don Sung .....74	Mulford Cultures .....43	Radish .....21
Artichokes ..... 5	Drinking Fountains .....70, 71	Mushroom Spawn .....17	Rape .....51
Asparagus Roots .....5, 55	Egg Plant .....14	Nasturtiums .....28	Rat Remedies, Traps .....82
Asparagus Seed .....5, 55	Eggs, Nest .....72	Nitrate of Soda .....57	Rhubarb, Seed and Roots 21, 55
Baskets, Wire Hanging .....63	Egg Shipping Boxes .....67	Nursery Stock .....52-56	Rice, Upland .....51
Beans, Bush ..... 6	Egyptian Wheat .....48	Fruit .....52, 53, 54	Roses .....56
Beans, Field .....50	Endive .....14	Nuts .....54	Rutabaga .....24
Beans Lima .....6, 8	Farmogerm .....43	Ornamentals .....55, 56	Salsify .....22
Beans, Pole ..... 7	Fennel, Sweet .....14	Roses .....56	Schrock Kaffir Corn .....48
Beans, Soy .....50	Fertilizer .....57	Oats .....48	Serd Saver .....62
Beans, Velvet .....50	Field Seeds .....44 to 52	Oat Sprouter .....71	Seed Table, Per Acre ..... 3
Beets ..... 9	Ferterita .....48	O. K. Poultry Litter .....77	Seed Sowers .....62
Beets, Mangel ..... 8	Flower Boxes .....63	Okra .....17	Shallu .....48
Biloxi Soy Beans .....50	Flower Bulbs .....32, 33	Onion Seed .....17	Sheller, Corn .....63
Bird Cages, Supplies .....81	Flower Pots, Saucers .....63	Onion Sets .....17	Sorghum Cane .....48
Broccoli ..... 8	Flower Seeds .....25 to 32	Oyster Plant .....22	Soy Beans .....50
Brooders .....64, 65, 66	Fruit Trees .....52 to 55	Oyster Shell Crushed .....78	Spinach .....22
Broom Corn .....51	Ful-O-Pep Feeds .....79	Paper Flower Pots .....63	Spray Hose .....61
Brussell Sprouts ..... 8	Garden Tools .....63	Paradichlorobenzene .....59	Spraying Instructions ..... 3
Buckwheat .....51	Garlic .....14	Parsley .....18	Spray Material .....58, 59
Bug Killers .....58, 59	Grass Seeds .....46, 47	Parsnips .....18	Spray Nozzels, etc. ....61
Bulbs .....32, 33	Gourds .....14	Peanuts .....51	Spray Pumps .....60, 61
Cabbage .....10	Grit, Poultry .....78	Peas, Cow or Stock .....49	Squash .....22
Cabbage Plants ..... 4	Herb Seeds .....15	Peas, Garden .....19	Stim-U-Plant .....57
Calf Meal .....78	Hog Oil .....77	Peas Sweet .....25	Stock Remedies, Powders .....75
Cane Seed .....48	Horseradish .....15-55	Pecan Trees .....54	Strawberry Plants .....54
Cantaloupe .....11	Hose, Spray .....61	Peppers .....18	Sudan Grass .....47
Carrots .....12	Hot Bed Sash .....63	Pigeon Feed, Grit .....77, 78	Sugar Beets ..... 8
Cauliflower .....12	Hubam Clover .....45	Pig Meal .....78	Sugar Corn .....13
Celery .....12	Humogerm .....45	Plant Setters .....62	Sunflower .....51
Charcoal .....78	Incubators .....64, 65, 66	Plants, Nursery .....54, 55	Sweet Peas .....25
Chervil .....12	Inoculation .....43-45	Plants, Sweet Potato .....20	Sweet Potato Slips .....20
Chicory .....12	Insecticides .....58, 59	Plants, Vegetable ..... 4	Swiss Chard .....22
Chinese Cabbage .....10	Kaffir Corn .....48	Plows, Garden .....63	Teosinte .....49
Chufas .....49	Kale .....15	Pop Corn .....42	Thermometers .....73
Clover Seeds .....44	Kohl Rabi .....15	Potato Slips .....20	Trees .....52 to 56
Collards .....12	Leek .....15	Potatoes, Irish .....20	Tobacco .....22
Conkeys Starting Feed .....79	Lepedeza .....45	Potatoes, Sweet .....20	Tomatoes .....23
Coops, Brood .....72	Lepedeza Seed Saver .....62	Pots, Flower .....63	Tools, Garden .....63
Corn, Field .....40, 41, 42	Lettuce .....15	Poultry Feeds .....78, 79	Turnip .....24
Corn, Pop .....42	Mangel Beets ..... 8	Poultry Fountains .....70, 71	Valcide (For Blight) .....58
Corn, Sweet .....13	Melilotus .....45	Poultry Hoppers .....68, 69, 70	Velvet Beans .....50
Corn Salad .....14	Melon, Musk .....11	Poultry Litter .....77	Vetches .....51
Corn Sheller .....63	Melon, Water .....16	Poultry Netting .....72	Water Glass .....74
Cottonseed .....34 to 40	Millet .....49	Poultry Remedies .....75, 77	Watermelons .....16
Cow Peas .....49		Poultry Supplies .....64 to 80	Wheat, Egyptian .....48
Cress .....14		Pumpkins .....21	Wheelbarrow Seeders .....62
Cucumbers .....14		Pumps, Spray .....60, 61	Wire Hanging Baskets .....62
Dandelion .....14		Putnam Brooder Stoves .....80	Wire Poultry Netting .....72



## Making a Garden

Springtime will soon be with us again, and gardening must be put under way on high speed, so begin to plan just what you are going to do.

Success in having a good Garden depends on several things—good seeds, the proper time for sowing, the thorough preparation of the soil and the work. All of these must be considered.

It requires some judgment and lots of work, which, after all, is pleasant and healthful; it's no lazy man's job to make a good garden. The determining factor between failure and success in farming or gardening is thoroughness in the labor which must be done.

### The Vegetable Garden

No matter how small the place, none is complete without its own vegetable garden to furnish the home table.

A well-planned and neatly kept garden can be made to pay, on a dollar and cents basis alone. In these days of high prices, the vegetable garden can be made to pay, and where that side of the matter is disputed, there is no question that to get the best quality of vegetables you must grow them yourself.

Any plot of ground, with intelligent preparation, can be made to grow crops successfully.

A home garden is one of the most important and valuable parts of the farm or home, for what is healthier and cheaper than a nice lot of fresh vegetables, such as rad-

ishes, corn, lettuce, tomatoes, peas, etc., for the table, any one of which can be easily grown by following our instructions.

Seeds of the very best quality often fail through improper treatment; for instance, a small seed may be sown so deeply that the young plant cannot reach the surface. More failures result from disregard of the conditions necessary to germination than from any inferiority of the seeds used.

There are several conditions necessary to the successful germination and growing of seeds. There must be a proper temperature, sufficient moisture, and free access of air. The soil must also be in proper condition. If heavy rains have compacted the surface of the soil and the sun has baked it to a hard crust, it will be impossible, even if other conditions are favorable, for the tender plants to force their way through, and many perish from this cause alone.

Beets, Peas, Lettuce, Radish, Turnips, etc., germinate rapidly at a temperature of 45 degrees, but if Melons, Squash, Tomatoes, Cabbage, Bush or Pole Beans, and other plants of sub-tropical origin, are sown under the same conditions, they will be apt to decay, as for their prompt germination they will require a heat of at least 60 degrees. For this reason many seeds fail yearly from too early sowing, and the seedsman wrongly blamed.

## Almanac of Planting Seasons

The right time for sowing all seed, as we give them in the different months, should naturally be governed by the condition of the weather and the soil.

**JANUARY**—Sow in hot beds: Cabbage, Lettuce, Beets, Onion, Tomato, and Cauliflower.

Sow outdoors the latter part of the month: Turnips, Mustard, Spinach, Radish, and English Peas.

**FEBRUARY**—Sow outdoors: Radish, Turnip, Mustard, Spinach, Onion Seed, and English Peas. Set out Onion Sets. Sow Sweet Peas. Plant Potatoes.

Sow in hot beds: Cabbage, Beet, Tomato, Egg Plant, Kohl-Rabi, Lettuce and Pepper.

Set out frost-proof Cabbage Plants. Sow Lawn Grass Seed. Sow oats, Canada Field Peas, Red Top, Orchard Grass and Lespedeza. Set out Grape Vines and Fruit Trees of all kinds.

**MARCH**—This is the month to begin general garden operations. Sow outdoors Cabbage, Lettuce, Carrot, Beets, Parsley, Parsnips, Leek, Onion Seeds, Salsify, English Peas, both the smooth and wrinkled sorts.

Plant Onion Sets and Irish Potatoes. Sow Sweet Peas. Plant Early Corn. Set out our early frost-proof Cabbage Plants, also Cauliflower and Lettuce plants, Asparagus roots, Horseradish and Rhubarb roots.

Sow farm seeds: Clover, Grasses, Oats, Alfalfa, Lawn Grass and Lespedeza.

Set out Fruit Trees of all kinds, Strawberry, Raspberry, and Blackberry plants.

**APRIL**—A good month to start active garden operations. If not yet planted, sow now, out of doors, Beets, Bush Beans, Pole Beans, Carrots, Cress, Celery, Corn, Cucumber, Endive, Leek, Mustard, Parsley, Parsnip, Kohl-rabi, Herbs, Peas, Radish, Spinach, Swiss Chard, Squash, Tomato, Rape and Turnip. Set out Onion Sets; plant potatoes. Set out Cabbage, Cauliflower, Beet and Lettuce plants.

Sow all kinds of Flower Seeds and Spring Bulbs.

Sow Clovers, Alfalfa, Millet, Sorghum, Kaffir Corn, Bermuda Grass, Lespedeza, Sudan Grass, Orchard and Herd's Grass, Artichokes and Field Corn. Set out Blackberry, Raspberry and Strawberry plants.

**MAY**—Sow Bush Beans, Pole Beans, Lima Beans, Beets, Cabbage, Carrot, Corn, Cucumber, Cantalope, Endive, Egg Plant, Lettuce, Mustard, Okra, Onion Sets, Pepper, Parsley, Parsnips, Garden Peas, Pumpkin, Herbs, Squash, Swiss Chard, Spinach, Tomato, Turnip.

Sow Flower Seeds of all kinds; also put out Flower Bulbs; set out Cabbage, Tomato, Pepper, Egg Plants and Sweet Potato slips. Sow Millet, Sorghum, Sudan Grass, Cow Peas, Chufas, Peanuts; plant Field Corn and Popcorn. Soy Beans, Velvet Beans, Cotton Seed, Kaffir Corn, Milo Maize.

**JUNE**—As you get space in your garden, sow Garden Corns, Cucumbers, Cantaloupes, Collards, Pumpkin, Okra, Squash, Watermelon, Swiss Chard, Salsify, Carrot and late Beets. Set out Tomato, Egg Plant, Pepper and Sweet Potato plants. Sow a later crop of Bush Beans, Lima Beans and Pole Beans. Sow Tomato seed to set out later for Fall crop.

In the field, sow Stock Peas, Soy Beans, Buckwheat, Broom Corn, Sorghum, Velvet Beans, Sudan Grass, Millet, Mexican June Corn.

**JULY**—Plant for late crops: Garden Corn, Cucumbers, Cabbage Seed, Carrots, Tomato Seed, Bush Beans, Pole and Lima Beans, Okra, Squash, Pumpkin, Rutabaga.

Sow in the field: Cow Peas, Millet, Sorghum, Soy Beans, Sudan Grass, Millet, Mexican June Corn, Buckwheat. Plant Potatoes for late crop.

**AUGUST**—Begin to plant now your Fall Garden. If weather is favorable, sow Turnips, Kale, Radish, Rutabagas, Collards, Mustard, Beet, Bush and Pole Beans, Lettuce, Cucumbers, Squash. Plant Potatoes for late crop.

Sow Crimson Clover, Burr Clover and Seed Rye. Millet sown in this month will make a crop of Hay.

**SEPTEMBER**—Get busy on your Fall Garden. Sow Turnips, Rutabagas, Kale, Mustard, Swiss Chard, Spinach, Lettuce, Endive, Radish, Onion Seed for transplanting to the field. Set out Shallots and Onion Sets. Sow Crimson Clover, Burr Clover, Alfalfa, Red Clover, Grass Seeds, Vetch, Rye, Winter Oats and Essex Rape.

**OCTOBER**—Sow Spinach, Kale, Seven Top, Turnips, Mustard, Winter Radish, Corn Salad. Set out Onion Sets, White Multiplier and Shallot Buttons.

Sow Rye, Barley, Winter Oats, Wheat, Vetch, Essex Rape, Alfalfa, Red Clover, Crimson Clover, Burr Clover, and all Grass Seeds.

**NOVEMBER**—Set out Onion Sets and Shallots. Sow Spinach and Kale, also more Turnips for Winter Greens.

Sow, in hot beds, Cabbage, Beets and Lettuce for transplanting later in cold frames. Continue to sow Winter Oats, Rye, Barley and Wheat. Set out all kinds of Fruit Trees, Strawberry plants, Asparagus roots. Plant outside Hyacinths, Tulips and Narcissus bulbs.

**DECEMBER**—Get your hot bed ready and sow Cabbage, Lettuce, Beet and Cauliflower seed for Spring use.

Sow in frames, forcing Radish seed. Continue to plant Dutch bulbs for early Spring blooming. Set out Fruit Trees and Shade Trees.



## Proper Quantity of Seeds to Sow on an Acre

	No. Lbs. to Bushel	Quantity to Acre		No. Lbs. to Bushel	Quantity to Acre
Artichokes, Jerusalem .....	50	3 bu.	Kaffir Corn, drills .....	50	6 lbs.
Barley, Broadcast .....	48	1½ bu.	Kaffir Corn, broadcast .....	50	1 bu.
Beans, Dwarf, in drills .....	60	1 bu.	Lespedeza, Jap Clover, broadcast .....	25	1 bu.
Beans, Pole, in hills .....	60	¼ bu.	Millet, Golden, broadcast .....	50	1-1½ bu.
Beans, Navy .....	60	½ bu.	Millet, Hungarian, broadcast .....	50	1-1½ bu.
Beets, in drills .....	—	4 lbs.	Millet, Pearl, in drills .....	40	6 lbs.
Beets, Mangel Stock, drills .....	—	6 lbs.	Mustard Greens, broadcast .....	—	4 lbs.
Broom Corn, in drills .....	46	10 lbs.	Oats, broadcast .....	32	1½-2 bu.
Buckwheat, broadcast .....	50	1 bu.	Onion Seeds, in drills .....	—	4-6 lbs.
Bromus Grass, broadcast .....	14	21 lbs.	Onion Sets, in drills .....	32	6-8 bu.
Cabbage Seed, to transplant .....	—	¼ lb.	Parsnips, in drills .....	—	4-5 lbs.
Carrot, in drills .....	—	2-3 lbs.	Peas, Garden, in drills .....	60	1½ bu.
Cantaloupe, in hills .....	—	2 lbs.	Peas, Stock, broadcast .....	60	2 bu.
Clover, Alfalfa, broadcast .....	60	20-25 lbs.	Peas, Stock, drills .....	60	1 bu.
Clover, Crimson, broadcast .....	60	15 lbs.	Potatoes, cut tubers .....	60	8-10 bu.
Clover, Alsike, broadcast .....	60	8 lbs.	Pumpkin, hills .....	—	4-5 lbs.
Clover, Burr, in burr .....	10	3 bu.	Popcorn .....	50	10 lbs.
Clover, Melilotus, in hull .....	25	1 bu.	Peanuts, unhulled .....	22	1½ bu.
Clover, Melilotus, hulled .....	60	8 lbs.	Peanuts, shelled .....	—	½ bu.
Clover, Red, broadcast .....	60	10 lbs.	Rice, upland .....	44	1 bu.
Clover, Lespedeza, broadcast .....	25	20-25 lbs.	Radish, drills .....	—	8-10 lbs.
Clover, White, broadcast .....	60	6 lbs.	Rape, Dwarf Essex, drills .....	50	4 lbs.
Cucumber, in hills .....	—	2-3 lbs.	Rape, Dwarf Essex, broadcast .....	50	8 lbs.
Clover, Hubam, broadcast .....	60	10-12 lbs.	Rye, broadcast .....	56	1½ bu.
Corn, Garden, in hills .....	56	¼ bu.	Rye, drills .....	56	1 bu.
Corn, Sweet, in hills .....	44	¼ bu.	Soy Beans, drills .....	60	½ bu.
Corn, Field, in hills .....	56	¼ bu.	Soy Beans, broadcast .....	60	1 bu.
Flax .....	56	30 lbs.	Salsify, drills .....	—	6-8 lbs.
Grass, Blue, for pasture .....	14	28 lbs.	Stock Peas, broadcast .....	60	1½-2 bu.
Grass, Bermuda .....	30	4-6 lbs.	Sorghum, drills .....	50	6-8 lbs.
Grass, Mixed Lawn, broadcast .....	14	56 lbs.	Sorghum, broadcast .....	50	1 bu.
Grass, Pasture Mixture, broadcast .....	14	20-30 lbs.	Shrock Kaffir, drills .....	50	6-8 lbs.
Grass, Orchard, broadcast .....	14	21 lbs.	Shelly, Egyptian Wheat, drills .....	50	6-8 lbs.
Grass, English Rye, broadcast .....	14	40-50 lbs.	Sunflowers, hills .....	25	6-8 lbs.
Grass, Meadow Fescue, broadcast .....	24	24 lbs.	Teosinte, hills .....	—	2-3 lbs.
Grass, Italian Rye, broadcast .....	14	40-50 lbs.	Timothy, broadcast .....	45	15 lbs.
Grass, Red Top, Fancy, broadcast .....	32	10-12 lbs.	Velvet Beans, drills .....	60	1 pk.
Grass, Sudan, broadcast .....	40	30 lbs.	Velvet Beans, broadcast .....	60	1 bu.
Grass, Tall Meadow Oat, broadcast .....	10	30 lbs.	Vetch, alone .....	50	1½ bu.
Grass, Paspalum Dilatum, broadcast .....	10	30-40 lbs.	Vetch, with grain .....	50	¼ bu.
Grass, Hungarian, broadcast .....	40	48-70 lbs.	Wheat, drills .....	60	1½ bu.
Grass, Billion Dollar, broadcast .....	40	20 lbs.			

### Spraying Instructions for Garden Crops and Fruit Trees

**APPLES**—First spraying January or February. Use Lime Sulphur Solution, 1 to 10, which means 1 part of Lime Sulphur to 10 parts water. Second spraying when fruit has set. Use Lime Sulphur with Arsenate of Lead, diluting 1 part to 50 parts water. For woolly aphid, use Kerosene Emulsion.

**BEANS**—For chewing insects, dust with Slug Shot, Sure Noxem, Nicotine Dust, No. 40 Dust or Bug Death. For lice, spray with Nicotine Solution or Kerosene Emulsion.

**CABBAGE**—For cut worms use either Cut Worm Food or dust plants with Slug Shot or Arsenate of Lead. For lice, spray with Slug Shot, Nicotine or F. O. S. Soap.

**CANTALOUPE**—For chewing insects apply Bug Death or Arsenate of Lead, or spray with Insecto. For blight use Bordeaux Mixture.

**CUCUMBER**—Same as for cantaloupes.

**EGG PLANT**—For beetles, Arsenate of Lead, Insecto or Pyrox; these are all effective. Bug Death is also good.

**GRAPES**—First spraying January or February with Lime Sulphur, 1 to 10, or Pratt's Scalecide, 1 to 15. Second spraying when fruit has shown, using Bordeaux Mixture, diluting 1 to 60. Third spraying, also use Bordeaux Mixture.

**LETTUCE**—For cut worms use Slug Shot, Bug Death or Tobacco Dust.

**PEACHES**—First spray in January and February. Use Lime Sulphur, 1 to 6. Second spray in the Spring, just when the young fruit has set, using a combination of Lime Sulphur, diluting 1 to 60, adding 1 tablespoon Arsenate of Lead to each gallon of the diluted article. For third spraying use Bordeaux Mixture to prevent rot, diluting 1 to 60. For borers in October, Paradichlorobenzene. For brown rot use Lime Sulphur, 1 part, to 60 parts of water, or add to each gallon of the diluted article 4 tablespoonsful Arsenate of Lead.

**POTATO**—For the common potato bug the best non-poisonous preparation is Bug Death. No. 40 Dust is also fine. For large crops use either the S. & W. tuber tonic, which is both an insecticide and plant tonic, or Arsenate of Lead or Paris Green. For blight use Bordeaux Mixture with Arsenate of Lead.

**PLUMS**—Same as for Peaches.

**PEAR**—First spraying January or February with Lime Sulphur, 1 to 10, or Pratt's Scalecide, 1 to 15. Second spraying when trees are in full leaf, using Lime Sulphur, 1 to 50, and Arsenate of Lead, 2 pounds to 50 gallons of water.

**ROSES**—First spraying should be done with Lime Sulphur, 1 to 6, during February. For aphid and lice, which most always destroy the Spring blossoms, use Black Leaf 40, Nicotine or Kerosene Emulsion. For chewing insects use Arsenate of Lead or Slug Shot. For blight and mildew use Bordeaux Mixture and Grape Dust. Lime Sulphur mixed with Arsenate of Lead will correct many fungus troubles on Roses.

**SQUASH**—For sow bugs, worms, etc., use either Arsenate of Lead or Paris Green.

**TOMATO**—Spray young plants with S. & W. Insecto or Bowker's Pyrox, Bordo or Vaycide to prevent blight or leaf curl. Continue their use every ten days; you will find it will prevent this trouble and keep your plants from dying. For cut worms use Slug Shot, Arsenate of Lead or Bug Death. For lice use Nicotine, to which add Lime Sulphur Solution.

**WATERMELON**—For blight use Bordeaux Mixture. For chewing insects use Arsenate of Lead.

**SPRAY MATERIALS**—We have on hand the best brands of Arsenate of Lead, Paris Green, Pyrox, Insecto, Bordeaux Mixture, Kerosene Emulsion, Nicotine, Slug Shot, Bug Death, etc., all of which have directions printed on the packages.

**SPRAYING** made easy with our Spray Pumps. We have them in all sizes—for the Vegetable Garden, Flower Garden and Orchard.

### Helpful for the Amateur in Mixing Spray Materials

- 60 drops equal 1 teaspoonful.
- 2 teaspoonfuls equal 1 tablespoonful.
- 8 teaspoonfuls equal 1 ounce.
- 4 ounces equal 1 gill.
- 4 gills equal 1 pint.
- 2 pints equal 1 quart.
- 4 quarts equal 1 gallon.
- 3 gallons equal 1 pailful.

A 1 to 50 Solution is Made as Follows:

- 1 teaspoonful to a tumbler of water.
- 2 teaspoonfuls to a pint of water.
- 4 tablespoonfuls to a gallon of water.
- 1 pint to 12 gallons of water.
- 2 quarts to 50 gallons of water.



## Frost-Proof Cabbage Plants

**Genuine South Carolina Grown, which are the hardiest. Will mature three weeks earlier than your home-grown plants. Varieties: Jersey Wakefield, Charleston Wakefield, Succession and Early Flat Dutch.**

These plants are grown in the open field during the fall and winter months, which causes them to make a slow, tough, hardy growth—so hardy that the outer leaves turn to a reddish brown. They can be shipped to distant points without danger of spoiling, and should be planted in the

open ground from four to five weeks earlier than frame plants.

Set them to the open ground about February 5th. Orders filled from January 15th until April 1st. We do not advise planting later than this time.

The plants, when received, will be somewhat wilted and have a hard stunted appearance, which will be disappointing to persons who have never used these plants before. Regardless of appearance, they will produce the crop results.

**Prices, parcel post paid: 100, 50c; 500, \$1.75; 1,000, \$3.25; 5,000, \$15.00.**

Not prepaid, by express: 500, \$1.25; 1,000, \$2.25; 5,000, \$10.00; 10,000, \$15.00.



We usually have plants ready to ship promptly, but occasionally, on account of heavy orders we may be compelled to hold your order a few days, but rest assured, however, we will get them to you as quick as possible.

No order filled for less than 100 of a variety. We do not ship any plants C. O. D. Our terms are cash with order.

Orders for all plants will be taken subject to crop failures.

## Home-Grown Cabbage Plants

These are ready about the first part of March; they should not be set out earlier, being tender they are not as hardy as the frost-proof kind.

We can furnish the following varieties: Jersey Wakefield, Early Flat Dutch, Charleston Wakefield, Succession.

**Prices: Parcel Post paid—100, 50c; 500, \$1.75; 1,000, \$3.00. By Express, not prepaid—100, 40c; 500, \$1.50; 1,000, \$2.75.**

## Beet Plants

Ready about March 1st.

Varieties—Crosby's Egyptian and Crimson Globe.

**Prices: Parcel Post Paid—100, 55c; 500, \$2.00; 1,000, \$3.35. By Express, not prepaid—100, 40c; 500, \$1.75; 1,000, \$3.00.**

## Cauliflower Plants

Ready March 1st.

Varieties—Early Snowball and Dry Weather.

**Prices: By Parcel Post—Doz., 25c; 50, 90c; 100, \$1.50. By express, not prepaid—Doz., 20c; 50, 75c; 100, \$1.25.**

## Celery Plants

Ready April 1st.

Varieties—Golden Self-Blanching and Henderson's White Plume.

**Prices: By Parcel Post—Doz., 25c; 50, 45c; 100, 75c. By Express, not prepaid—Doz., 20c; 50, 35c; 100, 60c; 500, \$2.00.**

## Egg Plants

These are ready about April 20th.

Varieties—Black Beauty, N. Y. Improved Purple.

**Prices: Parcel Post Paid—Doz., 35c; 50, 90c; 100, \$1.50. By Express, not prepaid—Doz., 25c; 50, 75c; 100, \$1.25.**

## Lettuce Plants

Ready March 1st.

Varieties—Big Boston, New York or Wonderful.

**Prices: Parcel Post Paid—50, 35c; 100, 55c; 500, \$2.00. By Express, not prepaid—50, 25c; 100, 45c; 500, \$1.75; 1,000, \$3.00.**

## Pepper Plants

Ready April 15th.

Varieties—Chinese Giant, Ruby King, Long Cayenne.

**Prices: Parcel Post Paid—Doz., 35c; 50, 90c; 100, \$1.50. By Express, not prepaid—Doz., 25c; 50, 75c; 100, \$1.25.**

## Tomato Plants

These are ready about the 20th of March. Our stock is raised from the very best quality of seed and will give perfect satisfaction.

Varieties—Gulf State Market, Ponderosa, Norton Wilt Resistant, Early Detroit, Globe, Stone.

**Prices Hot Bed or Seedling Stock: Parcel Post Paid—Doz., 25c; 100, 75c; 500, \$3.50. By Express, not prepaid—Doz., 15c; 100, 60c; 500, \$2.00.**

**Prices Transplanted Stock: Parcel Post Paid—Doz., 35c; 50, 90c; 100, \$1.50. By Express, not prepaid—Doz., 25c; 50, 75c; 100, \$1.25; 1,000, \$10.00.**

## Sweet Potato Slips

### CERTIFIED NANCY HALL—PORTO RICO—BUNCH YAMS

These plants have been inspected by the State Plant Board and certified to be free from Black Rot and other plant diseases. The State of Mississippi refuses to allow any slips that have not been certified to come into that State.

**Prices Certified Slips: 500, \$1.75; 1,000, \$3.00; 5,000, \$12.50. By parcel post—500, \$1.90; 1,000, \$3.35. No order filled for less than 500 certified plants. All shipments will be made from our nearest growers.**

**Prices Non-Certified Slips, which cannot be shipped into Mississippi:**

Nancy Hall, Porto Ricans, Bunch Yams and Early Triumph prices uniform as follows: 500, \$1.50; 1,000, \$2.50; 5,000, \$10.00. By Parcel Post—500, \$1.65; 1,000, \$2.75; 5,000, \$11.00.



## Russell-Heckle's 1923 Catalog

In offering our Catalog for the coming season, we extend thanks to the public for the past courtesies, with the assurance that we will spare no effort in furnishing seeds of superior quality.

Knowing how is not an inspiration; it is gained by long experience and application.

If we have never served you, send us your next order; it will have our personal attention. If you are already one of our customers, you are aware of our keen interest in giving you good seed. We aim to supply the best stocks at the lowest prices consistent with the quality of the goods offered. "Treat 'em right" is our motto.

Very respectfully yours,

RUSSELL-HECKLE SEED CO.

J. T. Russell, Chas. E. Heckle.

Sales Store and Office—24 S. Front St.

Wholesale Warehouse—589 S. Front St.

### Terms, Discounts, Etc.

The Prices We Quote on vegetables and flower seeds will hold good as long as stocks last. The prices on grass seed, grains and all farm seeds are those ruling January 1st, 1923, and are subject to market changes. As far as possible we will fill in full all orders for seeds that are quoted subject to variation in price, but if market values will not permit this, we will send all that money remitted will pay for.

Send Cash With Order—This can be done either in the form of a Money Order, Bank Draft, Express Order, Registered Letter.

We Pay Postage on all seeds quoted by the packet, ounce, quarter pound and pound, also on pints and quarts

of Peas, Beans and Sweet Corn, and on plants and bulbs, except where noted otherwise, and upon all goods quoted in our catalog where it says: Parcel post paid.

Seeds by Freight and Express—"Quotations by express" means that the price quoted is packed F. O. B. Memphis, purchaser paying charges either by express or freight.

### Our Guarantee

We won't ship you seed until we know they will germinate. Of course, we cannot guarantee you a crop, for we cannot be there to plant them or attend to them; and weather conditions sometimes positively prevent a stand. But you can take our seed home, examine them, test them, and call in your neighbor or county agent, and if you feel that you have not gotten your money's worth, or our seeds are not as represented, return them at once and we will refund the amount you paid for them.

That's fair, now, isn't it? We leave it all to your judgment, and all we ask is a fair deal, which we know you will give us. "Treat 'em right," is our motto.

### Special Rates on Garden Seeds, Packets and Cartons.

We sell any

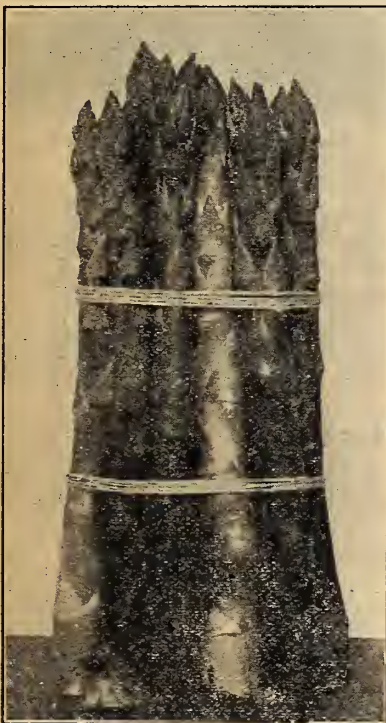
6	5c size Packets for.....	\$ .25
13	5c size Packets for.....	.50
30	5c size Packets for.....	1.00
3	10c size Packets for.....	.25
7	10c size Packets for.....	.50
15	10c size Packets for.....	1.00
4	15c size Cartons for.....	.50
9	15c size Cartons for.....	1.00

Your selection, all parcel post paid. It will pay you to send us your order for Top Notch Garden Seeds.

## Asparagus

One Ounce Will Sow About 50 Feet of Drill

Sow in spring as soon as the soil is in good working condition. Cultivate during the summer, and give the plants a li covering of stable litter during winter. At one or two years, transplant to permanent beds.



Palmetto Asparagus

### Palmetto

Very early, large and pale green, purple tipped. Pkt., 5c; oz., 10c; ¼ lb., 20c; 1 lb., 60c. Parcel post paid.

### Barr's Mammoth

Large and fine, white tipped. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c. Parcel post paid.

### Asparagus Roots

Set roots or plants either in spring or fall.

### Palmetto

### Asparagus Roots

Price, 2-year-old roots: 50, \$1.25; 100, \$2.00; 1,000, \$15.00. By parcel post: 50, \$1.40; 100, \$2.40.

## Artichokes

One Ounce Will Produce 500 Plants

Sow seeds in drills in March, 8 o 10 inches apart; when the plants are well up transplant in rows 4 feet apart and 2 feet apart in the rows.

### Green Globe French

Fine large heads. Pkt., 10c; oz., 50c. Parcel post paid.

## Wax Bush Beans

CULTURE—These can be planted with safety any time from April 10th to August 15th. Sow 3 inches apart in rows and have the rows 2½ or 3 feet apart.

Improved strain of the well-known Golden Wax. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Prolific Black Wax

A popular variety; color of pod waxy yellow; tender, productive. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Round Pod Kidney Wax

The best round podded variety. Sure to yield an early and profitable crop. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 65c. Parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 55c.



Hodson's Wax Bush Beans

### Wardwell's Kidney Wax

A strong grower; bears heavy crop of broad, waxy yellow pods, brittle and fine flavor. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Hodson's Wax

Productive; the pods are long, creamy yellow and free from rust. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 70c. Parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 60c.



## Green Pod Bush Beans

**CULTURE**—These can be planted with safety any time from April 1st to September 1st. Sow 3 inches apart in rows, and have the rows 2½ or 3 feet apart. One quart will sow 200 feet of row.

### Bountiful

Not quite as early as some kinds, but bears for a long season; the rich, green pods are extra long, broad, thick, meaty, meltingly tender and with scarcely a trace of string. Parcel post paid: **Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 65c.** Not prepaid: ½ pt., 20c; pt., 30c; qt., 55c.

### Giant Stringless Green Pod

Exceptionally fine for either home use or market. The pods are round, 5 to 6 inches long, meaty, perfectly stringless, and are borne continuously for weeks. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c.** Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Longfellow

Yields round, straight, fleshy pods that average 6 inches or more in length; free of tough lining and until the pods are old are almost entirely stringless. Parcel post paid: ½ pt., 20c; pt., 30c; qt., 55c. Not prepaid: ½ pt., 15c; pt., 25c; qt., 45c.

### Improved Red Valentine

If you are in doubt about what variety to plant, you will make no mistake in selecting Red Valentine. The pods are about 4 inches long, fleshy, crisp, tender. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c.** Not prepaid: ½ pt., 15c; pt., 30c; qt., 45c.

### Hopkins Early Red Valentine

An improved strain of the Red Valentine, having quite fleshy pods, which are round, brittle and tender. Parcel post paid: **Pkt., 10c; ½ pt., 25c; pt., 35c; qt., 60c.** Not prepaid: ½ pt., 20c; pt., 30c; qt., 50c.

### Black Valentine

The hardiest of all beans; will stand more frost than any other sort. The pods are long, straight, very handsome; are produced very profusely. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c.** Not prepaid: ½ pt., 15c; pt., 25c; qt., 45c.



Bountiful Bush Beans



Improved Red Valentine Bush Beans.

### Burpee's Stringless Green Pod

Early and hardy, pods round, perfectly stringless, tender and brittle, and of the highest quality. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c.** Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Tennessee Green Pod

Yields the longest and largest pods of any Bush Bean, often 6 to 7 inches long, flat and somewhat irregular in shape but of fine flavor. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c.** Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Refugee or 1000 to 1

Fine for later planting, pickling and canning. The round pods are 5 inches long, tender and of splendid quality. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c.** Not prepaid: ½ pt., 15c; pt., 25c; qt., 45c.

### Mohawk Six Weeks

Produces good size flat pods, very early. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c.** Not prepaid: ½ pt., 15c; pt., 25c; qt., 45c.

## Bush Lima Beans

### One Quart Will Plant 200 Feet of Drill

Plant in May in light rich soil, in drills two feet apart, dropping the seeds about one foot apart in the row, and cover two inches.

### Henderson's Bush Lima

Beans are small but very productive. Parcel post paid: **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c.** Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Woods Prolific Bush Lima

Same as Henderson Bush, but pods and beans slightly larger. Very prolific. Parcel post paid: **Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c.** Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.

### Fordhook Bush Lima

An immense yielder, with handsome large pods. Parcel post paid: **Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c.** Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.

Prices on Bush Lima and Green Pod Bush Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.

### Wizard Brand Pulverized Sheep Manure

Easy to handle—clean—every weed seed killed. Absolutely the best fertilizer for flowers, vegetables, fruits, shrubs, grass and field crops. Far superior to chemical stimulant because it is a natural fertilizer supplying BOTH plant food and humus. See Green Sheet Special Price List.



## Pole or Running Beans

Plant in May and June, in rows 4 feet each way; 5 in a hill. Can be planted in corn or by poles, 8 feet high. One quart will plant about 200 hills.

Prices on all Pole or Running Beans and Pole Lima Beans by the peck and bushel are quoted on Special Green Ink Price Sheet enclosed.



Kentucky Wonder Pole Bean

### Kentucky Wonder, or Old Homestead

It is almost needless to say anything about this great Pole Bean, for who has not grown it? The yield is great, the quality is good, and no bean is more sure of making a crop. It bears in 65 days from planting; should be kept picked so that it will continue bearing until frost. The beans are 6 to 12 inches long, tender and rich. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Kentucky Wonder Pole Wax

Similar to green podded Kentucky Wonder. Broad, fleshy, stringless pods of fine quality. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Burger's Stringless Green Pod

The pods are large and fill perfectly, and in the "snap" stage are deep green in color, meaty, stringless and of the finest flavor. When allowed to ripen the shell beans of pure white are most excellent for winter use. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Lazy Wife

An excellent variety for home use. Can be used for cooking green or shelled for winter. Pods are broad, thick and stringless. Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Georgia Pole

The pods, produced in great abundance, are of a rich dark green color, measuring ten inches long, rather flat and slightly curved; entirely stringless when young. If pods are picked before maturing vines bear until frost. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.

### McCaslan Pole Bean

A comparatively new green-podded variety. The pods average 8 to 10 inches in length, are flat, slightly curved, and of a rich green color, containing ten fine beans. Makes an excellent snap bean and the white-shelled beans are unsurpassed for winter use. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.

### Red Speckled Cut Short

This variety is the best bean to plant in corn hills. It is hardy, late and is a heavy yielder. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Golden Cluster Wax Pole

The pods, usually 7 inches or more in length, are meaty, entirely stringless. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.

### White Creaseback

Especially valuable on account of its earliness. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 55c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 45c.

### Scotia or Striped Cornfield

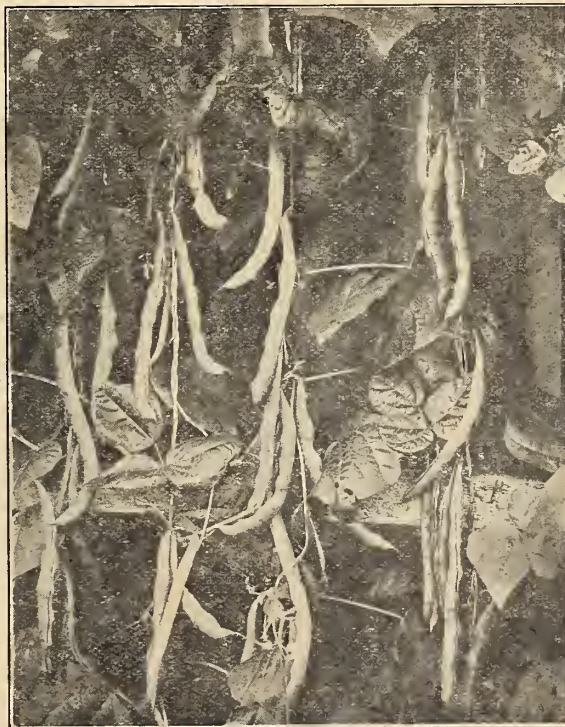
This is the real Cornfield Bean that you have read so much about. If you want a bean to plant in your corn, this is your one choice. It will produce the kind of results that you'll expect. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.

### Dutch Case-Knife

Pods are long and flat, and contain white seeds. Splendid variety for early use, green or shelled. Can be planted with corn if desired. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 70c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.

### Asparagus Yard Long Beans

A wonderful drought-resisting Pole Bean, hardy and easily grown, early and prolific, producing large quantities of large, thick, tender green stringless pods, averaging two feet or more in length; palatable for snap shorts, boiling, baking, soup, etc. Culture the same as for ordinary Pole Beans; vines run ten feet or more. Pkt., 15c; 2 pks., 25c.



Scotia or Striped Cornfield Bean



## Pole Lima or Butter Beans

Plant in hills three to four feet apart each way, and two inches deep, allowing six seeds to each hill. When the plants are well established they should be thinned out to four. They are more sensitive to cold than the Bush Beans, and should not be planted before May.



R.-H. Co.'s Monster Pole Lima Beans

### Small White Lima, Carolina or Sieva

This very early and reliable small seeded Pole Lima is especially adapted for planting in the south. The vines are vigorous, with many short branches. The leaves are small, smooth, stiff, glossy dark green. The pods are dark green, short, about three inches, curved, flat. Seed small, flat, white with slight tinge of yellow. This is sometimes called Sewee. It is the most generally known "butter bean" of the South. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 65c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 55c.

### Giant Podded White Lima

Extra size, both in pods and beans, and also of superb flavor. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 65c.

### King of the Garden Lima

Vigorous and productive. Beans of very large size; quality first-class. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 65c.

### Large White Lima

One of the best shell beans grown; matures in ninety days; very popular. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 65c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 55c.

### Russell-Heckle's Monster Lima Beans

The best and largest Pole Bean in existence. The pods are gigantic in size, bearing in clusters. The beans are extra large, of a light green, with a very fine skin, being tender when cooked. There are from five to six beans in a pod. Parcel post paid: Pkt., 10c; ½ pt., 25c; pt., 40c; qt., 75c. Not prepaid: ½ pt., 20c; pt., 35c; qt., 65c.

### Speckled or Calico Butter Beans

A mottled or speckled butter bean; no variety can equal them in bearing, and we know that you will like them. Parcel post paid: Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 65c. Not prepaid: ½ pt., 15c; pt., 30c; qt., 55c.

## Mangels and Sugar Beets

Use for Feeding Cattle—Sow Five Lbs. Per Acre

**CULTURE**—Sow in April and May in thoroughly plowed, well-manured soil, in drills 2 inches deep and about 18 inches apart. Thin out to 12 inches and keep the weeds down by frequent hoeing and cultivating. Low ground is best adapted for Mangel-Wurtzel. An ever-increasing acreage is being planted for stock beets.

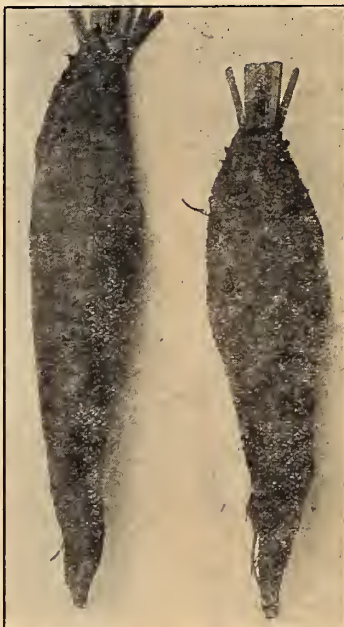
Fattening, breeding and milk cattle do equally well on them. About one-fourth of the daily rations should be of roots. Hog cholera is prevented by their use.

### Golden Tankard Mangel

Small top, smooth, rich skin, broad shoulders, very solid fleshed, golden stemmed, heavy producer. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c. Parcel post paid.

### Long Red Mangel Wurzel

The well-known, large, long variety; grows well out of ground. Color light red. Very productive. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c. Parcel post paid.



Long Red Mangel Beet

### Giant Feeding Sugar Beet

A large growing sort, and used for feeding stock. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c. Parcel post paid.

### Klein Wanzleben Sugar Beet

Extensively grown for making sugar; the average yield is from 15 to 20 tons per acre with about 18 per cent sugar. Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 70c. Parcel post paid.

## Broccoli

**CULTURE**—Resembles the Cauliflower, but not forming such compact heads, and not quite so white, being of greenish cast.

### Purple Cape

**PURPLE CAPE**—This is the most desirable variety. Pkt., 10c; oz., 75c; 2 oz., \$1.25; ¼ lb., \$2.50. Parcel post paid.

## Brussels Sprouts

**CULTURE**—A vegetable cultivated the same as Cabbage. The small heads which appear along the upper part of the stalk between the leaves make a fine dish when well prepared. Should be sown during Spring and Fall. Matures in 90 to 120 days. Pkt., 10c; oz., 35c; 2 oz., 60c; ¼ lb., 90c; 1 lb., \$3.00. Parcel post paid.



## Beets

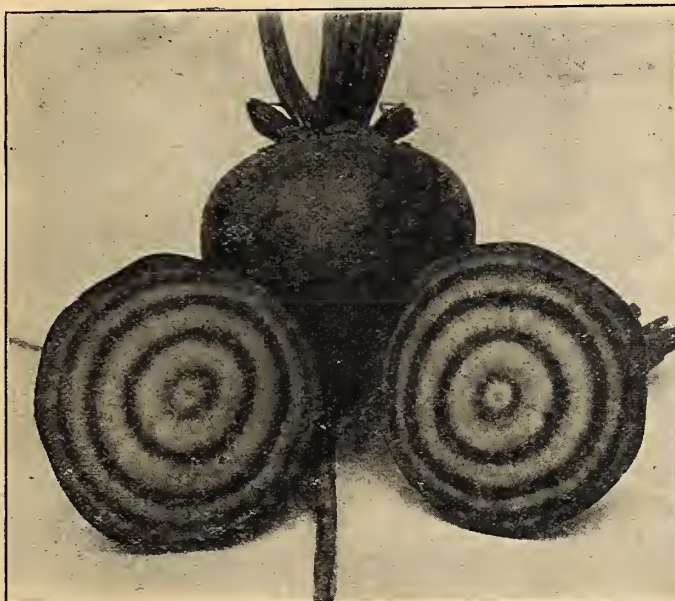
Plant more beets and eat more—they are a cheap food, too.

For very early crop sow in hotbeds in January and February and transplant. Sow outside in drills from March to July, as desired, for medium, early or late crop. Drills 2 to 3 feet apart. Use a light, clean, free deep soil. One ounce will sow 50 feet of drill.

### R.-H. Co's. Early Wonder Beet

The first beet on the market where it will command fancy prices; most perfect in shape and a beautiful red color. Superior to Crosby's Egyptian and one week earlier. R-H Co's Early Wonder Beet is the result of years of selection and the improving resulting we believe in the earliest and most handsome globe-shaped beet on the market.

Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; 1 lb., \$1.50. Parcel post paid.



### Crosby's Improved Egyptian

We recommend Crosby's Egyptian as a combination of earliness, good shape, good color and good quality. It is not as flat as Extra Early Egyptian nor as round as Eclipse—these varieties are its rivals in earliness. The color is bright red with bright vermillion-red flesh, very sweet and tender. It has the advantage of being fit for use earlier than most beets, as it takes on its turnip shape at a very early stage of its growth. The tops and tap root are both small.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00. Parcel post paid.

### Early Eclipse

An early beet especially desirable for the home garden and used for bunching. The tops are small. The roots are bright deep red, smooth, round or slightly top shaped, with a small tap and small collar. The flesh is bright red, zoned with pinkish white, very sweet, crisp and tender.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00.

### Crimson Globe Beets

### Bassano

This variety when young is very sweet and tender. The tops are large and especially adapted for use as greens. The roots attain a large size, are light red in color, flesh is white, circled with bright pink.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

### Detroit Dark Red

Here is a beet you will like, whether you grow for home use or market. Almost globe shaped with small tops and tap root, very smooth and of dark blood-red color without light rings. A good beet for both early and late planting. The quality is fine; for canning it has no superior.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

### Early Blood Turnip

It is distinctly a beet that will please you. A beet that has the approval of the most discriminating gardeners everywhere. The roots are medium sized, round, of dark red color and fine flavor. Matures in about 45 days.

Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 30c; 1 lb., \$1.00. Parcel post paid.

### Crimson Globe

This is a splendid sort; medium size, about 10 inches around, globe shape, bronze color. Flesh is rich blood red, sweet, tender and never stringy.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00. Parcel post paid.



Crosby's Egyptian Beet



R.-H. Co's Early Wonder Beet



## Cabbage

**Culture**—Cabbage is a very gross feeder, and well repays heavy manuring and high culture. It succeeds best on well-drained soil. The plants are started in frame or seed bed, and afterward transplanted. Seed for early cabbages may be started in autumn in a cold frame, or in early spring in a hot bed. For main crop, summer and autumn cabbage, the seed should be sown in a rich border in the open air, in May or June. Sow shallow; a packet will produce about 250 plants, an ounce 3,000 plants; ¼ pound for an acre. Set plants 1½ by 3 feet apart.

### Early Jersey Wakefield

Long recognized as the best earliest marketable cabbage. In size, medium; in shape, pyramidal with pointed peak. Its uncommonly fine heading qualities, together with its fitness for wintering in cold frames, pleases the most critical gardeners. Our strain of seed is of superior quality and Long Island grown stock.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1 lb., \$3.00. Parcel post paid.

### Succession

Matures in about 110 days. Heads are ready for use long before it has fully matured. Heads round, slightly flattened.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 90c; 1 lb., \$2.75. Parcel post paid.

### Early Dwarf Flat Dutch

It is a large cropper and a dependable header. A short-stemmed variety. Belongs to the second earlies. Matures in about 110 days. Grows compact and upright. Leaves few and short. Flat round, solid heads, which are very large for size of plant.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$3.00. Parcel post paid.

### Mammoth Red Rock

By far the best, largest and hardest heading red cabbage in cultivation; very uniform in size, weight, solidity, and deep red color. The heads grow to weight 10 or 12 pounds.

Pkt., 5c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25. Parcel post paid.

### All-Head Early

Early, large, flat, solid-headed, very early for its size, few outside leaves, consequently can be planted closer together than other large cabbages. A very reliable sort and well named.

Pkt., 5c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.10; 1 lb., \$3.25. Parcel post paid.

### Early Drum Head

One of the best second early varieties; large, deep heads; solid, uniform in color, size and shape.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 85c; 1 lb., \$2.75. Parcel post paid.



Large Charleston Wakefield

### Early Summer

Solid round head; comes in just after Wakefield.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 85c; 1 lb., \$2.85. Parcel post paid.

### Large Charleston Wakefield

Classed with the second earlies, similar in many respects to the Jersey Wakefield, only it is somewhat later and much larger, equally as solid and less pointed. Maturing as it does in about 95 days, it makes an ideal variety to follow the Jersey Wakefield either for market or home use.

Of exceeding hardness. Vigorous grower, slightly spreading leaves. Heads hard and solid. Mild pleasing flavor. Crisp and tender. Good keeper and shipper. Long Island grown seed.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1 lb., \$3.00. Parcel post paid.

### Large Late Drumhead

Rounder than Flat Dutch, and not quite so short stemmed. Good, large heads.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 85c; 1 lb., \$2.75. Parcel post paid.

### Late Flat Dutch

Sure header, producing large, round, solid heads, flat on the top, of low growing habit, and few outer leaves.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 85c; 1 lb., \$2.75. Parcel post paid.

### Large Drumhead Savoy

The best and largest heading of the Savoy Cabbage. Few people seem to know the delicious flavor of Savoy Cabbage. It is far superior to the flat-leaved sorts, and as tender as cauliflower after frost.

Pkt., 5c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; 1 lb., \$3.50. Parcel post paid.

### Chinese or Celery Cabbage

**PE-TSAI**—Has a mild cabbage flavor, very delicate and very fine salad. When cooked it makes greens delicately cabbage-flavored and not at all like boiled cabbage. It blanches to almost clear white.

The culture is the same as for Cabbage. The seed should be sown for fall crop in June, July to September, half inch deep in the row and rows about 24 inches apart. When the plant has grown up to 5 or 6 inches in height, thin to 10 inches apart.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1 lb., \$2.85. Parcel post paid.



R.-H. Co's Eureka Cabbage

### R.-H. Co's

### Early Eureka

This valuable variety is as early as Large Wakefield, produces fine solid, medium heads in 75 to 80 days from sowing the seed.

Last season we were unable to supply seed, owing to the scarcity and large demand. We hope to have an ample supply of our Eureka Cabbage for all customers this spring. Price: Pkt., 10c; oz., 75c; 2 oz., \$1.25; ¼ lb., \$2.00; 1 lb., \$7.00. Parcel post paid.



All-Head Early Cabbage



## Cantaloupe, or Musk Melon

Plant in hills 5 feet apart in light, rich soil, well manured; 10 seeds to hill; thin to 4 plants. Cultivate well. Pinch off ends of vine as they begin to blossom, which will increase the yield. One ounce to 60 hills.

### Rocky Ford

One of the most popular. Just right size for restaurant and hotel service; flesh is green, thick, lusciously sweet. It is netted and ribbed and ripens early. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 35c; 1 lb., \$1.25; parcel post paid.**

### Pink Meat Rocky Ford

This variety is quite similar in appearance to an Eden Gem type of Rocky Ford, being beautifully netted, but the flesh is pink. Its shipping qualities are excellent, quality all that can be desired. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., \$1.50; parcel post paid.**

### Early Green Nutmeg

An early variety of medium to a small size; nutmeg in shape and thickly netted. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 30c; 1 lb., \$1.00. Parcel post paid.**



**R.-H. Co.'s Home-Grown Rocky Ford**

crop. Our seed is saved only from selected melons. **Pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 50c; 1 lb., \$1.50. Parcel post paid.**

### Banana

Long, shaped like a banana; has a most delicious flavor.

**Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 35c; 1 lb., \$1.25; parcel post paid.**

### Acme, or Baltimore

One of the best of cantaloupes for main crop. The flesh is thick, of a beautiful deep rich green. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 35c; 1 lb., \$1.25; parcel post paid.**

### R.-H. Co's.

### Home-Grown Rocky Ford

This is our own Southern-grown or adapted Rocky Ford. Being acclimated, it will produce large yields; fruit medium size, almost round, covered with dense netting and flesh thick green, sweet and of fine flavor. Don't fail to plant our adapted Rocky Ford Melon on account of its hardiness and ability to make a large

### Tip Top

Nearly round, deeply ribbed, moderately netted; flesh is bright salmon, thick and of good flavor. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 35c; 1 lb., \$1.25; parcel post paid.**

### Honey Dew Melon

A splendid new variety; rind dull white when ripe. The flesh is a rich green, very sweet and delicious flavor. The average size is about six inches in diameter and they weigh five to six pounds. The skin is smooth with little netting. Green Flesh Honey Dew and Pink Meat Honey Dew. **Pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 60c; 1 lb., \$2.00; parcel post paid.**

### Burrell's Gem

Skin is rather dark green and rind thin, leaving a thick lining of salmon flesh, which is of most delicious, juicy flavor. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 35c; 1 lb., \$1.00; parcel post paid.**



**Edwards Perfecto Cantaloupe**

### Cannon Ball

Large size, heavily netted and perfectly round; flesh green, of excellent quality. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., \$1.35; parcel post paid.**

### Mango Melon, or "Vine Peach"

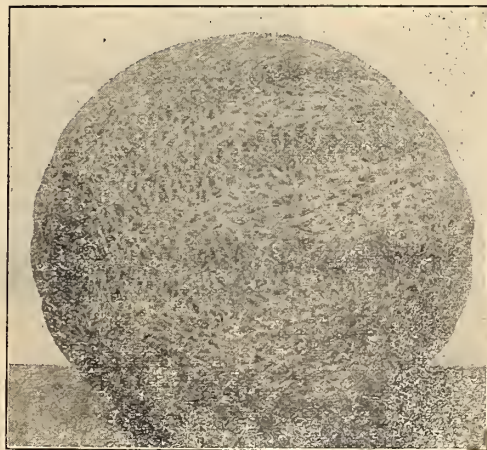
Size, shape and color of an orange; fine for preserving or pickling. **Pkt., 10c; oz., 25c; parcel post paid.**

### Edwards Perfecto

A new variety; one of the finest of the Rocky Ford class; flesh thick, of a beautiful salmon color, shading to green as it nears the outer edge; the rind is densely covered with a hard gray netting; highly recommended for its productiveness, deep sweet flesh and excellent eating qualities. **Pkt., 10c; oz., 25c; 1/4 lb., 75c; 1 lb., \$2.50; parcel post paid.**

### Mammoth Rocky Ford

The general type of this melon is similar to the regular Rocky Ford, but they grow somewhat larger in size, making it a splendid variety for market. **Pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 50c; 1 lb., \$1.50; parcel post paid.**



**Mammoth Rocky Ford**



## Carrots

Sow from February to September in light, deep, rich soil in drills 12 inches apart; plants should stand 5 inches apart in the rows; fertilize well. One ounce of seed to 100 feet of drill; 4 pounds to the acre.



Denver's Half Long Carrot

Pkt., 5c; oz., 20c; 2 oz., 40c; ¼ lb., 60c; 1 lb., \$1.50; parcel post paid.

**DANVER'S HALF LONG**—Rich, dark orange colored, good quality. Pkt., 5c; oz., 15c; 2oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

**EARLY SCARLET HORN**—Very early, with small top; roots about 3 inches long, rather blunt rooted; color orange-red. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

## Cauliflower

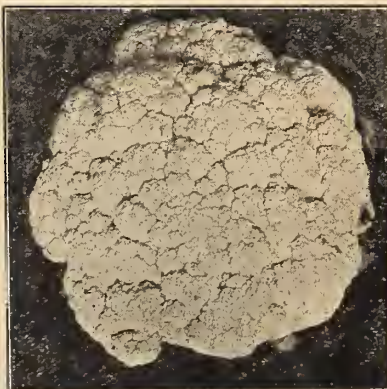
Cultivate like cabbage. Sow in January or February for early crop; May or June for late. Transplant to rich, moist soil; manure heavily and water freely. When heading begins, fasten leaves over top of head to whiten. One ounce of seed makes 2,000 plants. We handle only the very best quality seed that will make a head.

**EARLY SNOW-BALL**—A sure header; large, solid, perfectly white and good quality. Pkt., 10c; ¼ oz., 60c; oz., \$2.00; parcel post paid.

**DRY WEATHER**—Adapted for growing in dry locations when other varieties fail. It produces large, solid heads. Pkt., 10c; ¼ oz., 65c; oz., \$2.25.

**EARLY SIX WEEKS**—This new cauliflower has overcome most obstacles of cauliflower as removing practically all the elements of failure. It is early in maturing. Produces a solid attractive head of large size, running ten inches or more in diameter.

It is of fine flavor, tender and luscious. Matures in about 95 days. Pkt., 10c; ¼ oz., 75c; oz., \$2.25.



R.-H. Co.'s Early Six Weeks Cauliflower

### IN YOUR HOME GARDEN

"Dig deep, manure well, work often." Thus Pliny the Elder, nearly 2,000 years ago, summed up gardening. His advice is good today.

## Celery

Sow in beds in February or March and keep well watered. Transplant from July to October to moist, mucky soil; six inches apart in 12-inch rows. Earth up two or three times. Cover with straw from severe weather, with boards on top. One ounce of seed produces 2,000 plants.

**GIANT PASCAL**—This is a green leaved variety. It bleaches very quickly after earthing up and is a beautiful yellowish white color; very solid and crisp, and of a sweet flavor. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; parcel post paid.

**HENDERSON'S WHITE PLUME**—One of the best for early use; handsome; good quality; blanches easily. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; parcel post paid.

**GOLDEN SELF-BLANCHING**—Early, large, crisp, solid, good flavor. Pkt., 5c; oz., 50c; 2 oz., 75c; ¼ lb., \$1.25; parcel post paid.

**CELERIAC, OR TURNIP ROOTED CELERY**—Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 75c; parcel post paid.



Golden Self-Blanching Celery

## Chervil

Used for flavoring or garnishing. Sow in early spring in rich soil, and when plants are large enough, transplant to a foot apart. Price, Pkt., 10c; oz., 35c; 2 oz., 60c.

## Chicory

Sow in April and transplant in May in trenches one foot deep. Valuable as a salad as well as a vegetable. Pkt., 10c; oz., 30c; 2 oz., 50c; ¼ lb., 90c; parcel post paid.

## Collards

**CULTURE**—This is a variety of cabbage largely grown in the South. Sow seeds in May, August to September.

**GEORGIA WHITE CABBAGE**—Called Cabbage Collard on account of its close, bunching growth. Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.

**SOUTHERN, OR GEORGIA**—The old-fashioned kind, known for a hundred years or more. Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; 1 lb., 85c; parcel post paid.

**NORTH CAROLINA BUNCOMBE**—Large spreading leaves; very hardy; good flavor. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

### R.-H. Co.'s Pulverized Sheep Manure

A natural fertilizer that supplies both the plant food and humus to your soil. Sheep Manure is the richest and best of all animal manure. One hundred-pound bag of our Pulverized Sheep Manure is equal to a two-horse wagon load of stable manure.

For lawn making it is the most effective giving the grass a beautiful dark green color and brings no weed seeds.

For the vegetable and flower garden use Pulverized Sheep Manure and watch the crops grow.

Should be used around shrubs, fruit trees, grape vines, berries, roses, etc. Ten pounds for 100 square feet is all you require. Just rake it in the soil before planting the seed in drills or rows. A light side dressing on growing crops brings big results. Price: 10 lbs., 50c; 25-lb. bag, 75c; 100 lbs., \$2.25. F. O. B. Memphis.

Weiner, Ark., March 28, 1921.

Russell-Heckle Seed Co., Memphis, Tenn.: Gentlemen—Received plants and seed. Thank you for sending them. Both are in good condition.

Please quote us prices on Cow Peas, Lookout Mountain Potatoes, June delivery.

Respectfully yours,

DeGOOD MERC. CO.



## Garden and Sweet Corn

For early market, plant the garden varieties latter part of March. Sugar Corns should not be planted until April, then at intervals of two weeks for a succession. Sugar and Garden Corns planted in July will mature late roasting ears. Plant 4 to 8 quarts to the acre. The garden varieties listed below are as follows: Early Surprise, Early Adams, Extra Early Adams, Elam's Early Market, White Flint, and Improved Adams. Plant these first.

### Early Surprise

A splendid corn, coming in directly after Adams' Early, but much larger. Has a white, soft grain. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Improved Adams

A fine variety, slightly larger than Early Adams and one week later. Sells well on account of the size of the ear. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Early Adams

About a week later than Extra Early, but has larger ears; small stalks; earlier and harder than Sugar Corn. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Extra Early Adams

Earliest white corn; small ear and stalk. It is not a Sugar Corn, but is grown for early use. Ears short; kernels very white. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Golden Cream

A very fine corn on the order of Golden Bantam and following that popular sort in maturity. Ears about same size as the Bantam, but the grain is smaller, deep and zigzagged and of a rich golden color; of excellent quality. **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.**



Elam's Early Market Corn

### Elam's Early Market

This corn is positively one of the earliest of the very large eared Garden Corns; ears measure 10 to 12 inches. It matures in about 65 days. In color the ears are pure white; very luscious, tender and palatable. No matter what other varieties you try, be sure and plant this variety. Don't forget two crops can be matured in a season with Elam's Early Market. July planting will make an excellent, large ear. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Mammoth Sugar

The Mammoth ears are thick through, with many rows of large, broad grains of excellent quality. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Howling Mob

One of the finest second early, large eared sorts; very productive, white, and of excellent quality. Ears 9 to 10 inches long, 16-rowed. **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 60c; parcel post prepaid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 50c.**

### Golden Giant Sweet Corn

As Good as Golden Bantam to Eat and Very Much Larger—That sentence will describe Golden Giant to you in the best way. You know how tenderly delicious and sweet Golden Bantam is. **Pkt., 15c; ½ pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid: ½ pt., 20c; pt., 35c; qt., 60c.**

### Kendel's Giant

A large-eared, second early sort; on the order of Howling Mob, but while a trifle earlier, will not average so large an ear; ears 8 to 9 inches long, 12-rowed. **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 55c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 45c.**

### Henderson's Early Sugar

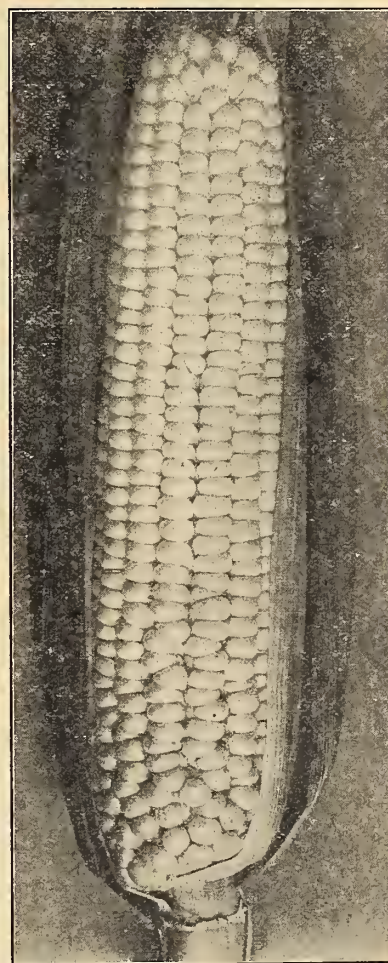
Early, good-sized ears and deep grain; very productive. **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 55c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 30c; qt., 45c.**

### Country Gentleman

Small cob; long, slender, white grains, which are very sweet. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 55c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 45c.**

### Stowell's Evergreen

The standard and best known Sweet Corn. Ears 8 to 9 inches long, 16 to 18 rowed, with a very deep, sweet grain. **Pkt., 10c; ½ pt., 20c; pt., 35c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**



Golden Bantam Sweet Corn

### Burpee's White Evergreen

Produces large, handsome ears well filled with deep, pure white grains of delicious sweetness. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**

### Golden Bantam

Extra early, sweet, tender and delicious. Is becoming each year more popular because of its extreme early character, vigorous growth and delicious flavor; the stalks are dwarf in habit, growing to a height of four feet, and can be planted close together in the row. They bear two or three good small ears to the stalk. **Pkt., 10c; ½ pt., 20c; pt., 30c; qt., 50c; parcel post paid. Not prepaid: ½ pt., 15c; pt., 25c; qt., 40c.**



## Corn Salad, or Fetticus

One Ounce Will Sow About 18 Square Feet—Sow in September or October. Large, round-leaved. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

## Cress, or Pepper Grass

One Ounce Will Sow About 15 Square Feet—A well-known, pungent salad. Sow at frequent intervals to keep up a succession, as it soon runs to seed. **CURLED, or PEPPER GRASS**—Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; 1 lb., \$1.25; parcel post paid.

## Cucumbers

For very early crop plant in hot beds; for later crop plant from April to July, in rich, well-manured hills, 4 feet apart, 10 seeds in hill; thin to two or three plants. One ounce to 50 hills.

**EARLY FORTUNE**—One of the best selections of the White Spine type, is becoming very popular among the market men of the South. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

**EARLY GREEN CLUSTER**—A very early variety, bearing in clusters. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

**EVERBEARING**—This variety is of small size; very

early, enormously productive, and valuable as a green pickle. Its peculiar merit, however, is the vines continue to flower and produce fruit until killed by frost. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

**JERSEY PICKLE**—A favorite with pickle growers and commercial market gardeners; good for table use; very productive. Fruit small and uniform in size. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.20; parcel post paid.

## Dill

An annual of aromatic odor and warm pungent taste. Its seeds are used for seasoning, but its largest use is for making Dill pickles. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

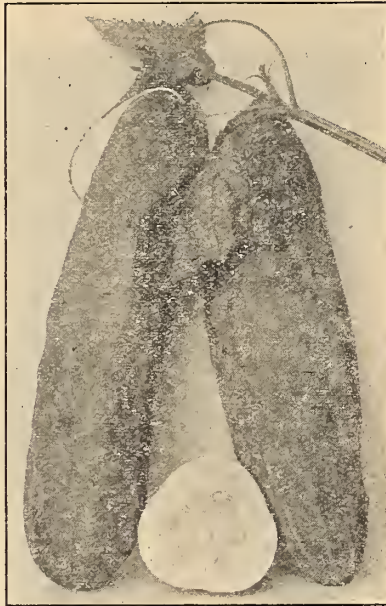
## Endive

One Ounce Will Sow 200 Feet of Drill—Sow about the middle of May, and for succession in June and July. When the plants are two or three inches high, thin them out or transplant into moderately rich and rather light soil, one foot apart. When nearly full grown, and before they are fit for the table, they should be blanched by tying the leaves loosely together.

**GREEN CURLED**—The hardest variety; beautifully curled. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.00; parcel post paid.



Imp. Long Green



Burpee's Earliest White Spine

**IMPROVED LONG GREEN**—A fine bearer of superior quality. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

## Dandelion

The Dandelion resembles Endive, and affords one of the earliest as well as one of the best and most healthy Spring green. Pkt., 10c; oz., 50c; 2 oz., 80c; ¼ lb., \$1.50; parcel post paid.

## Egg Plant

Sow in February or March. When 2 inches high transplant to pots or good rich soil, and in May to 3-foot rows in deep, rich loam. One ounce of seed will produce 1,000 plants.

**BLACK BEAUTY**—This is the earliest and best of all large fruited Egg Plants. The large fruits are thick and of the most attractive form. The skin is a rich, lustrous purplish black, and it is entirely free from spines or thorns. Pkt., 5c; oz., 50c; 2 oz., 75c; ¼ lb., \$1.25; parcel post paid.

**NEW YORK IMPROVED PURPLE**—The old standard variety. Pkt., 5c; oz., 50c; 2 oz., 75c; ¼ lb., \$1.25; parcel post paid.

## Fennel Sweet

Thickset. Tall. Leaves large and finely cut, the plant almost forming a head



Black Beauty Egg Plant

with a wide, straight interior; 24 inches. Pkt., 10c; oz., 25c; 2 oz., 45c; ¼ lb., 75c; parcel post paid.

## Garlic

The sets should be planted either in early Spring or Fall in well-enriched soil, the rows 1 foot apart, and about 3 inches between the plants in the row. Harvest same as onions. Sets: ¼ lb., 20c; 1 lb., 50c; parcel post paid.

## Gourds

**DIPPER GOURDS**—Pkt., 5c.  
**NEST EGG GOURDS**—Pkt., 5c.

**SUGAR TROUGH**—Pkt., 5c.  
**DISH RAG, or LUFFA**—Pkt., 5c.  
**ORANGE GOURD**—Pkt., 5c.  
**HERCULES CLUB**—Pkt., 5c.



Green Curled Endive

John H. Garner, Russellville, Ark., writes: "The carload of Webber Cotton Seed received from you was indeed fine. Was unable to find a bad seed in the lot. We have an excellent stand and some of it already knee-high and ready to bloom."

"June 7, 1922."

Orie Jones, Bruins, Ark., writes:

"I used your boll weevil poison and had fine results. I had other kinds, but your poison was the best. We have a fine crop."



## Herb Seed

	Parcel post paid.	Ounce	Packet
<b>BASIL</b> , Sweet—For flavoring soups.....		\$ .50	\$ .05
<b>DILL</b> , Mammoth—Used for flavoring pickle.....		.15	.05
<b>LAVERDER</b> —Used for its odor.....		.80	.10
<b>MARJORAM</b> , Sweet—Used in seasoning meats.....		.40	.10
<b>ROSEMARY</b> —For seasoning meats and soups.....		.70	.10
<b>ST. JEROME</b> , Summer—Used as a culinary herb.....		.70	.10
<b>SAGE</b> , Broad Leaved—A popular flavoring plant.....		.50	.10
<b>THYME</b> —Much used for seasoning.....		.60	.10

## Horse Radish

Plant in rows 18 inches apart, putting the sets 1 foot apart. Doz., 40c; 100 for \$2.50; parcel post paid. Not pre-paid: Doz., 30c; 100 for \$2.00.



Early White Vienna Kohl-Rabi

## Kohl-Rabi

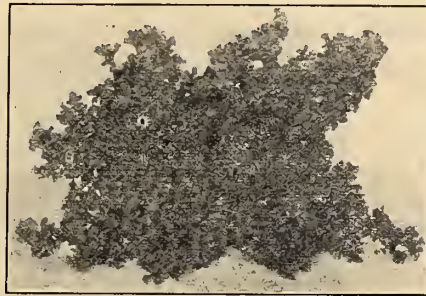
**EARLY WHITE VIENNA**—This is the best and earliest variety for table use. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.50. Parcel post paid.

## Leek

**LONDON FLAG**—Broad leaves, of strong and vigorous growth. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 70c; 1 lb., \$2.00. Parcel post paid.

## Kale

Sow from 2 to 3 pounds to the acre, one ounce to 200 feet of drill. Make excellent greens for spring and winter use. Sow in March or September in drills or broadcast.



Dwarf Green Curled Kale

**DWARF GREEN CURLED**—Very hardy; leaves curled. The best variety for Fall sowing. Stands all Winter. Pkt., 5c; oz., 15c; 2 oz., 25c; 1-4 lb., 35c; 1 lb., 75 c. Parcel post paid.

**TALL CURLED SCOTCH**—A beautiful curled tall growing variety. Also fine for spring planting. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

D. H. Buell, Marietta, Ohio (5-31-22), writes:

"I received from you one thousand Sweet Potato plants, and I am so pleased I think it is due you, and it may please you, to express my appreciation of same. They were beautiful plants, all of which shows that you know your business. When I ordered them from you, I sent an order to another firm for Nancy Halls, and the contrast was ridiculous; they were not in the same class with your fine plants."

## Lettuce

One ounce will produce 3,000 plants. For early use sow under glass in January or early February, and transplant as soon as the ground can be nicely worked. Sowing may be made in the open ground from April to middle of August, every 2 or 3 weeks for succession.

**BURPEE'S ICEBERG**—A large, late, crisp cabbage-heading variety; heads very firm, hard and well blanched; leaves unusually broad and quite blistered and crumpled, borders finely frilled. Pkt., 5c; oz., 25c; 2 oz., 35c; ¼ lb., 65c; 1 lb., \$2.00. Parcel post paid.

**BLACK SEEDED SIMPSON**—Produces a compact mass of leaves, light color. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; 1 lb., \$1.40. Parcel post paid.

**EARLY CURLED SIMPSON**—Makes a curly loose head; crisp and tender. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; 1 lb., \$1.40. Parcel post paid.

**MIGNONETTE**—Small, solid heading; never fails. The flavor is fine and the leaves crisp. Pkt., 10c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; 1 lb., \$2.00. Parcel post paid.

**PRIZE HEAD**—Solid heading, leaves edged with reddish brown. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; 1 lb., \$1.40. Parcel post paid.

**IMPROVED HANSON**—One of the best summer lettuce. Has large, solid, compact heads. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; 1 lb., \$1.40. Parcel post paid.

**LARGE WHITE CABBAGE HEAD**—Makes fine, large, solid heads with blanched hearts. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 45c; 1 lb., \$1.40. Parcel post paid.

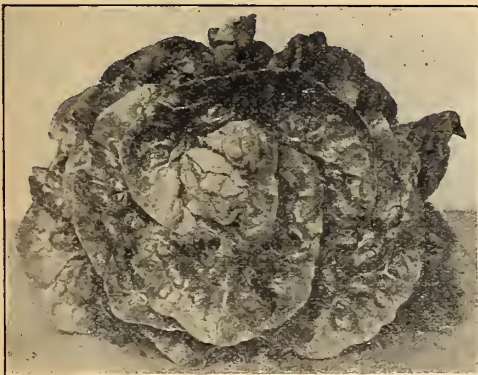
**WONDERFUL NEW YORK**—This splendid mammoth heading and long-keeping variety has been grown to weigh 3 lbs. to the head. Heart is solid, of light green color, very sweet, tender and crisp. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.50. Parcel post paid.

**ALL SEASONS**—One of the best head lettuce; stands the hot midsummer sun without burning. Heads are very solid, large and of a most desirable light green color. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; 1 lb., \$1.50. Parcel post paid.

**BURPEE'S WAYHEAD**—A superb new heading lettuce. Outer leaves light green, and the inner leaves blanch to a rich butter tint. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 65c; 1 lb., \$2.00. Parcel post paid.

**COS or ROMAINE**—Forms large, light green, well-folded heads of upright growth and popular for its crispness and mild flavor. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; 1 lb., \$1.75. Parcel post paid.

**CALIFORNIA CREAM BUTTER**—A splendid variety for summer. Produce very large head. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; 1 lb., \$1.75. Parcel post paid.



E.H. Co's. Bonanza Lettuce

**BIG BOSTON**—This fine variety is extremely popular for outdoor culture in the Spring and Fall, and for cold-frame forcing. The large flattened heads are compact, solid and crisp. The broad leaves are comparatively smooth, wavy at the edge, thin and crisp. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; 1 lb., \$1.50. Parcel post paid.



Big Boston Lettuce

**E.H. CO'S BONANZA LETTUCE**—Produces immense heads, 15 to 18 inches across, and as solid as a cabbage. It blanches beautifully. Crisp, tender and delicious. It is pronounced the finest in cultivation for exhibition purposes, and for an outdoor all-season variety it stands unrivaled. Ready for market in 60 to 65 days. Pkt., 5c; oz., 25c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.50. Parcel post paid.



## Watermelons

One ounce to forty hills; three or four pounds to the acre. Drop in the middle of Spring, in hills six to eight feet apart, six to ten seeds, one inch deep, and thin to three best plants. Generally about the middle of April is the proper time to plant melons in this section.

### ALABAMA SWEET

—The flesh is bright red, fine grained, sweet and luscious. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c. Parcel post paid.

### FLORIDA FAVORITE

—Oblong in shape, growing to a very large size; rind dark green, striped with lighter; highly prized on account of its delicious flavor; seed light colored. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c. Parcel post paid.

### GEORGIA RATTLESNAKE

—A large striped variety of oblong shape; flesh scarlet and of superior quality. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c. Parcel post paid.



A Field of Irish Gray Watermelons

**"IRISH GRAY" WATERMELON** (Also called General Pershing)—The size of this melon is uniformly large and it closely resembles Kleckley's Sweets except the color, which is a yellowish gray. Flesh is very sweet and firm, without hard center, brilliant sparkling red. Rind almost as tough as a citron, making a grand shipper. Earlier than Tom Watson, Irish Gray has instantly met with universal favor. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

**SWEETHEART**—Very large and heavy; flesh is blood red and exceedingly sweet. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c. Parcel post paid.

**TOM WATSON**—Long, green and very prolific. The melons are uniformly large, running from 30 pounds to 40 pounds. The flesh scarlet, of extra fineness and sweetness, entirely stringless, fairly melts in your mouth. The rind is exceptionally strong, making it an excellent shipper. Pkt., 5c; oz., 10c; 2 oz., 15c; 1-4 lb., 30c; 1 lb., 90c. Parcel post paid.



Tom Watson Watermelon

**TOM WATSON EXTRA**—This is an extra selected stock of this splendid well-known and popular melon. Seed is saved only from specimen made as near uniform as possible. The grower will no doubt appreciate this from the fact that this stock will grow larger and more regular melons than the ordinary strain. We are pleased to offer this special stock this season, as we are sure you will be highly pleased with the results. Pkt., 5c; oz., 15c; ¼ lb., 40c; 1 lb., \$1.40. Parcel post paid.

1 lb., 25c; 1 lb., 75c. Parcel post paid.

### GOLDEN HONEY

—The flesh is bright, golden yellow, as sweet as sugar. Pkt., 5c; oz., 15c; 2 oz., 20c; ¼ lb., 35c; 1 lb., \$1.00. Parcel post paid.

### KLECKLEY'S SWEET

—The best melon grown. Oblong, very large, dark green, faintly striped, very sweet, entirely stringless; very prolific. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 90c. Parcel post paid.

### BLACK DIAMOND

—Immense in size, and grows to average 70 to 90 lbs.; rich dark green, uniform, round to oval shape; flesh deep red, of fine quality. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c. Parcel post paid.

oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c. Parcel post paid.

**RED SEEDED CITRON**—Fruit round and smooth. Is not eaten raw, but is used for making a very clear, transparent preserve of peculiarly fine flavor. Flesh white and solid. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25. Parcel post paid.

**HALBERT HONEY**—The melons average eighteen to twenty inches long and are full or bluntly rounded at both ends. The skin is a dark, glossy green. The flesh is a beautiful crimson, the rich coloring and luscious quality extending to the thin rind. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 85c. Parcel post paid.

**TEMPLE GRAY**—Very large and heavy; flesh is blood red and exceedingly sweet. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 75c. Parcel post paid.

**THE JONES**—Oval or nearly round; large in size; rind dark green, flesh bright red and very sweet. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 35c; 1 lb., 90c; parcel post paid.



R.-H. Co. Kleckley's Sweet

**R.-H. CO'S SOUTHERN GROWN KLECKLEY SWEETS**—This is a home-grown adapted seed and, being acclimated, will grow larger and produce a greater number of melons. Our seed of this variety is all saved from selected, largest melons. We are sure our customers will be highly pleased with this adapted Kleckley Sweets. Pkt., 10c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50. Parcel post paid.



## Mushroom Spawn

Mushrooms can be grown in cellars, in sheds, in hotbeds, or sometimes in open air. Fermenting horse manure at a temperature of about 70 degrees, mixed with equal weight of fresh sod loam, is made into beds the size required, 8 inches deep. In this bed plant the broken pieces of spawn, 6 inches apart, covering the whole with 2 inches of light soil, and protect from cold and rain. Per brick, 40c; 5 bricks, \$1.75; parcel post paid. By freight: Per brick, 35c; 5 bricks, \$1.50.

## Mustard

Sow from February to April or September and October; broadcast or in drills, 6 inches apart. Cut when about 3 inches high. One ounce seed to 80 feet drilled; 6 pounds to acre broadcast.



So. Giant Curled Mustard

times. Your garden won't be complete unless you try some of this new mustard. **Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 25c; 1 lb., 75c; parcel post paid.**

### Southern Giant Curled

Leaves are large, light green with yellowish tinge, much crimped and frilled at the edges. Very succulent, pungent and of sweet flavor. **Pkt., 5c; oz., 10c; 2 oz., 15c; 1/4 lb., 20c; 1 lb., 50c; parcel post paid.**

## Okra



White Velvet Okra

5c; oz., 10c; 2 oz., 15c; 1/4 lb., 20c; 1 lb., 65c; parcel post paid.

### White Velvet

This Okra takes its name from the smoothness of its pods, which are round, differing in this respect from the old sort. **Pkt., 5c; oz., 10c; 2 oz., 15c; 1/4 lb., 20c; 1 lb., 65c; parcel post paid.**

### Tall, or Long Green

Long ribbed pods; very productive. **Pkt., 5c; oz., 10c; 2 oz., 15c; 1/4 lb., 20c; 1 lb., 60c; parcel post paid.**

## Chinese Mammoth

Not curled as the Southern Giant; leaves are very broad and smooth. **Pkt., 5c; oz., 15c; 2 oz., 20c; 1/4 lb., 35c; 1 lb., 75c; parcel post paid.**

## Elephant Ear

A single plant fills a bushel basket; leaves tender at all



Northern Grown Onion Sets

## Onion Seed

Sow in January or February in hotbeds. Transplant to 12-inch rows, 5 inches apart.

### AUSTRALIAN BROWN

— Early; onions medium; flattened; beautiful amber brown; a splendid keeper. **Pkt., 5c; oz., 20c; 2 oz., 40c; 1/4 lb., 60c; 1 lb., \$2.00; parcel post paid.**

### YELLOW GLOBE DANVERS

— Globe shaped; large; keeps well; a standard for main crop. **Pkt., 5c; oz., 20c; 2 oz., 40c; 1/4 lb., 60c; 1 lb., \$2.00; parcel post paid.**

### LARGE RED WETHERSFIELD

— Medium early; skin is purplish red; flesh purplish white; a general favorite. **Pkt., 5c; oz., 20c; 2 oz., 35c; 1/4 lb., 55c; 1 lb., \$2.00; parcel post paid.**



Large Red Globe Onion

**SOUTHPORT WHITE GLOBE**— Handsome globe-shaped bulbs; the flesh is firm, fine grained, of mild flavor; keeps well. **Pkt., 5c; oz., 25c; 2 oz., 40c; 1/4 lb., 85c; 1 lb., \$3.00; parcel post paid.**

**WHITE SILVER SKIN**— Pure white; mild flavor; best for growing sets. **Pkt., 5c; oz., 25c; 2 oz., 40c; 1/4 lb., 75c; 1 lb., \$2.75; parcel post paid.**

**PRIZE TAKER**— Very large and solid; skin rich yellow; flesh pure white, sweet, mild, tender. **Pkt., 5c; oz., 20c; 2 oz., 40c; 1/4 lb., 70c; 1 lb., \$2.25; parcel post paid.**

**LARGE RED GLOBE**— Grows to good size; rich red color with small neck; a fine keeper. **Pkt., 5c; oz., 20c; 2 oz., 40c; 1/4 lb., 70c; 1 lb., \$2.25; parcel post paid.**



## Parsley

**CULTURE**—Soak seed in water for a few hours and sow in rich soil early in spring in rows a foot apart and cover lightly. Parsley is slow to germinate and is sometimes 3 or 4 weeks in coming up. One ounce will sow 150 feet of drill. Sow in March and April, also in August.

### Champion Moss Curled

More densely crimped and curled than some other sorts.  
Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1b., \$1.00.



### Double Curled Parsley

#### Double Curled

Compact, very curly and finely cut; bright green color.  
Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; 1b., 85c. Parcel post paid.

#### Plain, or Single

Leaves are flat, deeply cut, and dark green

Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1b., 80c.

## PEPPER

**CULTURE**—One ounce will produce about 1,000 plants. For early plants, sow in hotbeds the latter part of January, and transplant to open after all danger of frost is over, in rows 3 feet apart, 15 to 18 inches apart in the rows. All following prices are parcel post paid.

### Bell, or Bull Nose

A large early sort, of mild flavor. Fruits are large.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1b., \$3.75.

### Chinese Giant

Very large size. Fruit is mild and sweet.

Pkt., 5c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50; 1b., \$4.75.

### Long Red Cayenne

Bears long slender pods, bright red when ripe.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1b., \$3.50.

### Ruby Giant

Matures early, large size, flesh sweet and mild.

Pkt., 5c; oz., 40c; 2 oz., 75c; ¼ lb., \$1.25; 1b., \$4.00.

### Pimento Pepper

A delicious variety, most all meat. Very mild.

Pkt., 5c; oz., 45c; 2 oz., 70c; ¼ lb., \$1.25; 1b., \$4.50.

### Royal King

Extra large size, flavor is sweet and mild.

Pkt., 5c; oz., 40c; 2 oz., 70c; ¼ lb., \$1.25; 1b., \$4.50.

## Parsnip

**CULTURE**—Sow the seed in early Spring, ¼ of an inch deep, in rows 12 to 18 inches apart and when 3 inches high thin to 6 inches apart in the row.

One ounce of seed for 100 feet of row; 5 pounds seed required for an acre.



### Sugar or Hollow Crown Parsnips

#### Sugar, or Hollow Crown

The best for table use; easily raised and of great productiveness.

Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1b., \$1.50.

### World Beater

A mammoth variety with mild flesh, splendid cropper.

Pkt., 5c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50; 1b., \$4.50.

### Ruby King

A fine variety, very large and attractive. Fruits are 4 to 5 inches long, bright red when ripe.

Pkt., 5c; oz., 40c; 2 oz., 65c; ¼ lb., \$1.15; 1b., \$4.00.

### Golden Queen

Bright golden, yellow fruit, flesh sweet.

Pkt., 10c; oz., 45c; 2 oz., 80c; ¼ lb., \$1.35.

### Bird's Eye, or Creole

Very hot; used for pepper vinegar.

Pkt., 10c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50.

### Tobasco

Very pungent and strong.

Pkt., 10c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50.

### Mixed Sweet Peppers

All varieties in mixture, fine for mangoes.

Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00.



Pimento

Bell or Bull Nose

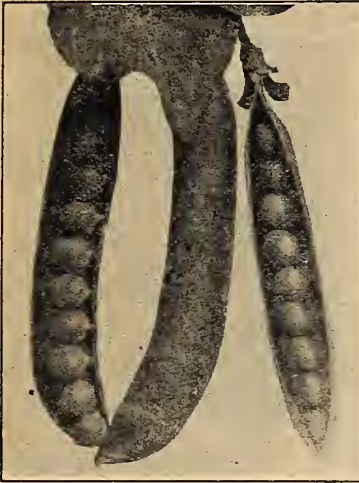
World Beater  
18

Chinese Giant



## Russell-Heckle's Garden Peas

**CULTURE**—The pea is hardy and endures cold well, either in or above the ground. It is best to sow the earliest varieties as soon as possible (February), in warm, light soil, prepared the previous autumn or winter. The main crop may be sown about two weeks later and on somewhat heavier soil. Sow Peas in drills about 2 to 3 inches deep, in rows  $2\frac{1}{2}$  to  $3\frac{1}{2}$  feet apart. In garden culture sow in double rows, 10 inches apart. One quart will sow 100 feet of drill. Avoid fresh manure or very rich soil or too rank vine growth will result. All wrinkled varieties are marked (\*). These should not be planted until March.



Laxtonian Peas

### First and Best

A standard extra early, prolific, smooth, white pea. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 30c; qt., 60c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 25c; qt., 50c.

### Bliss Everbearing\*

A good variety that continues in bearing a long time. A general favorite. Height 3 feet. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 65c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 30c; qt., 55c.

### Gradus, or Prosperity\*

Ripens early; vines about 3 feet high; bears profusely. The pods almost as large as those of Telephone. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c.

### Champion of England\*

It grows 4 to 5 feet high and requires support, and large crop production more than repays any extra labor required. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 30c; qt., 50c.

### Nott's Excelsior\*

A strong, vigorous grower and continues to bear for a long time. Height 15 inches. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c.

**PRICES** on all Garden Peas, by peck and bushel, are quoted on Special Green Ink Price Sheet enclosed.

### Thomas Laxton Peas\*

Popular early market sort. Pods large, deep rich green, filled from end to end with plump peas. Vines grow from 3 to  $3\frac{1}{2}$  feet high. The seed is wrinkled, so don't plant until March. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 35c; qt., 65c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 30c; qt., 55c.

### Alaska

The earliest of all the extra early sorts; vines about 2 feet in height. The pod is about 3 inches long, well filled with uniformly round peas. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 30c; qt., 60c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 25c; qt., 50c.

### Ameer

A new strain of the popular Alaska pea, the superiority being that it makes much larger pods and is more prolific. The vines grow 24 inches. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 30c; qt., 60c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 25c; qt., 50c.

### American Wonder\*

The earliest of the dwarf wrinkled sorts; vigorous and productive, with dark, luxuriant foliage. Vines dwarf, 12 inches high, of compact growth. Pods  $2\frac{1}{2}$  inches long, round, appearing almost square, and crowded to the end with Peas of excellent quality. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 65c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 30c; qt., 55c.

### Claudit

Extra large pods, well filled; seed smooth, blue; similar to Ameer, but pods not quite so broad. Height 3 feet. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 25c; qt., 50c.



Alaska Peas

### Laxtonian Peas

The best of all Dwarf Peas. Produces finest quality. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c.

### McLean's Little Gem\*

The best and most popular Dwarf Wrinkled variety. Grows about 15 inches high and bears good-sized pods. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 25c; pt., 40c; qt., 70c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c.

### Mammoth Melting Sugar

(Edible pod or sugar pea, 5 feet.) Large, broad pods. Cook pod like snap beans. **Pkt.**, 15c;  $\frac{1}{2}$  pt., 30c; pt., 50c; qt., 75c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 25c; pt., 40c; qt., 65c.

### Large White Marrowfat

Height 5 feet. Vine and foliage stout, deep green. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 30c; qt., 55c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 25c; qt., 45c.

### Telephone\*

The vines are tall, about four feet high, with large leaves, and producing an abundance of pointed pods of largest size, often four and one-half to five inches long, filled with very large peas, which are tender, sweet and of excellent flavor. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 60c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 25c; qt., 50c.

### Horsford's Market Garden\*

A very productive main crop sort, much used by canners. Height 3 feet. The pods are always borne in pairs and produced near top of the vine. **Pkt.**, 10c;  $\frac{1}{2}$  pt., 20c; pt., 35c; qt., 65c; parcel post paid. Not prepaid:  $\frac{1}{2}$  pt., 15c; pt., 30c; qt., 55c.



Thomas Laxton Peas



## R.-H. Co's. Seed Potatoes



**Irish Cobbler Potatoes**

### New York Early Rose

Matures early; excellent quality. By express: **Peck, 70c.**

### New York Burbank

Late; long; white; good table qualities. By express: **Peck, 70c.**

Will mature in 70 to 90 days, according to the variety. Cut two eyes, drop them every 15 inches and make rows 3 feet apart; cover eyes 2 inches; plant in February, March and April for early crops.

On account of market fluctuations, we are unable to name exact prices. Will be pleased to have you write during the month of February or later. Will then quote prices for prompt or future shipment. All prices quoted are F. O. B. Memphis.

### Irish Cobbler

This is a most excellent variety. A large potato, round and is slightly flattened; flesh white and cooks dry and floury.

A good keeper, heavy yielder and possibly the most popular of all early varieties. Price: **Peck, 75c.** By express only.

### Early Red Triumph

Extremely prolific and extra early, the color a beautiful light red; medium size. Growth very uniform, nearly round. Flesh white; mealy when cooked. Eyes slightly depressed, skin smooth. Its beauty, quality, extreme earliness and great productiveness make it very profitable. Price: **Peck, 75c.** By express only.

### Early Ohio

A standard early potato and a good one. Does well in all soils; is very early, oval in shape; has pink skin and shallow eyes. The Early Ohio is fully two weeks ahead of the Early Rose and is a general favorite with potato growers. Price: **Peck, 75c.** By express only.

### For Fall Planting

#### COLD STORAGE POTATOES

We will have Lookout Mountain, Red Triumph and Irish Cobbler Seed Potatoes in cold storage for late planting, in July and August. Write for prices in June and July.

### Lookout Mountain

Very prolific, late; long keeping variety, for planting in June and July; grows large tubers, pure white; smooth, of good quality. No other variety stands our hot climate as well. We book orders now for shipment in June. Prices on application.

**PRICES**—Account catalog going to press before market has been established on Irish and Sweet Potatoes, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.



**Early Ohio Potatoes**

## Seed Sweet Potatoes

All quotations here given are packed F. O. B. Memphis. Purchaser must pay carrying charges. Prices subject to market changes, and sold at the rate of 45 pounds to the bushel.

### Nancy Hall

Skin yellow; meat, which is clear, amber color; is as sweet as honey. By express: **Peck, 75c.**

### Porto Rico Yam

Skin is golden color, with a slight pinkish tinge. Meat deep orange yellow, soft and sweet; tubers long and smooth; a very desirable shape. By express: **Peck, 75c.**

### Bunch Yellow Yam

Finest quality yellow skin and flesh. By express: **Peck, 75c.** Larger quantities of Certified Seed Sweet Potatoes quoted on application.

## Sweet Potato Slips

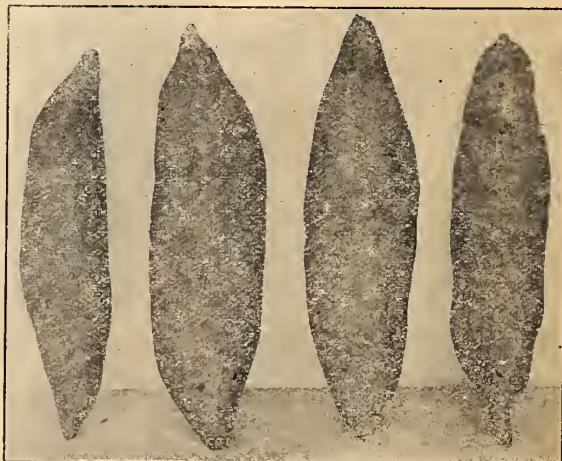
### Certified Nancy Halls, Porto Ricas, Bunch Yellow Yams

These plants have been inspected by the State Plant Board and certified to be free from black rot and other plant diseases. The State of Mississippi refuses to allow any slips that have not been certified to come into that State. Prices Certified Nancy Hall Slips: 500, \$1.75; 1,000, \$3.00; 5,000, \$12.50. By parcel post: 500, \$1.90; 1,000, \$3.35. No order filled for less than 500 certified plants. All shipments will be made from our nearest growers.

**NON-CERTIFIED SLIPS** cannot be shipped into Mississippi.

Nancy Hall, Porto Ricans, Bunch Yams and Early Triumphs. Prices uniform as follows:

500, \$1.50; 1,000, \$2.50; 5,000, \$10.00. By parcel post: 500, \$1.65; 1,000, \$2.75; 5,000, \$11.00.



**Nancy Hall Sweet Potatoes**



## Pumpkins

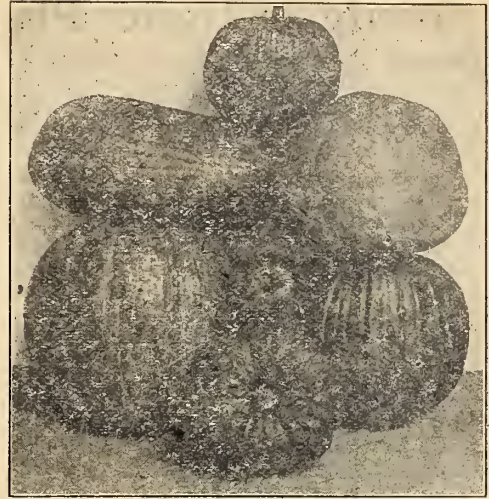
**CULTURE**—The pumpkin under good care bears abundantly, and furnishes a great amount of palatable food for cows, pigs, etc. Several of the finest flesh varieties are also used for culinary purposes. They may be grown as a field crop. Plant in hills 8 feet apart each way, and any time after the first of May. Avoid planting near other vine crops, as they will hybridize, and damage that crop. One ounce will plant about 25 hills, 4 pounds to the acre.

**CUSHAW**—Very productive, good for table and stock feeding. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

**KING OF THE MAMMOTH**—Of extraordinary large size; good for growing for prizes; skin is orange colored, with bright yellow flesh of fine quality. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

**TENNESSEE SWEET POTATO**  
—Of medium size, creamy white, with light green stripes and fine grained brittle flesh. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.

**KENTUCKY YELLOW FIELD**  
—A large variety of good quality. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; 1 lb., 50c; parcel post paid.



## Radish

To be tender and crisp, radishes must be grown quickly, and this requires rich soil and moisture. Begin as early as possible in the spring and sow at intervals of about 10 days in a light, rich, deeply worked soil. For fall and winter sow in August and September. One ounce sows 50 feet.

**EARLY SCARLET GLOBE**—A very distinct shape, brilliant red color, short leaved, crisp and white, of excellent flavor. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

**EARLY SCARLET TURNIP**—A very early, small, round radish; entire radish is of a rich scarlet color. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

**EARLY SCARLET TURNIP WHITE TIP**—Market gardeners' favorite radish outdoor planting. A very desirable one for the home garden. Turnip-shaped; handsome scarlet in color, with a distinct white tip. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

**EARLY LONG SCARLET SHORT TOP**—Early, very short top, splendid shape and color. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

**EARLY WHITE TURNIP**—Both skin and flesh of pure white. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

### Mixed Radishes

A general mixture of all varieties, giving you radishes for the whole season at one planting. Pkt., 5c; oz., 10c; 2 oz., 20c; ¼ lb., 30c; 1 lb., 90c; parcel post paid.



Early Scarlet Globe Radish



R.-H. Co.'s Perfection White Tip Radish

**Assorted Pumpkins**  
**FRENCH BREAKFAST**—A very popular French variety of very rapid growth, color scarlet, tipped with white, and small in size. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

**ICICLE**—Long, slender, pure white, the earliest and finest long, white radish. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

**R.-H. CO.'S PERFECTION WHITE TIP RADISH**—The most attractive bunching radish on the market—The best strain of Scarlet Turnip White Tip Radish, with the white tip well developed, covering the lower half of the radish. Extra early, crisp and tender. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

**CHINA ROSE WINTER**—One of the very best for fall and winter use, bright rose color, flesh white and firm, superior quality. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

**ROUND BLACK SPANISH WINTER**—This is a large, black-skinned radish; flesh white and firm; a good keeper. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

**LONG BLACK SPANISH WINTER**—Like the above, but the roots are longer and somewhat milder in flavor. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 30c; 1 lb., \$1.00; parcel post paid.

## Rhubarb

Set out in the early spring or fall in deep-worked soil four feet apart each way.

**LINNAEUS**—Best variety grown. Makes fleshy stalks of best quality. Pkt., 5c; oz., 15c; ¼ lb., 50c; 1 lb., \$1.50; parcel post paid.

## Rhubarb Roots

Two year roots, ea., 30c; 6 for \$1.50; 12 for \$2.75; parcel post paid. Not prepaid, ea., 25c; 6 for \$1.25; 12 for \$2.50.

One year roots, each, 15c; 6 for 75c; 12 for \$1.50; parcel post paid. Not prepaid, ea., 10c; 6 for 60c; 12 for \$1.00.

John B. Walker, Blytheville, Ark., writes:

"Our American calendar and almanac is the most complete, useful and desirable one of its kind." Don't fail to get one. On receipt of five names of seed buyers we will send one of these calendars by parcel post.



## Salsify, or Oyster Plant

**CULTURE**—The Oyster Plant succeeds best in some light, well-enriched soil which previous to sowing the seeds should be stirred to the depth of 18 inches. Sow early in the spring in drills 15 inches apart; cover the seeds with fine soil 1 inch deep. One ounce for 60 feet of drill, 7 pounds to one acre.

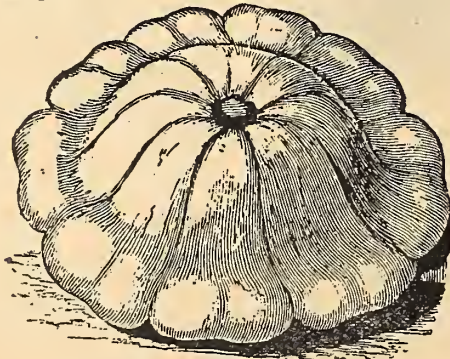


Salsify

15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

**MAMMOTH WHITE BUSH**—Is nearly double the size of Early White Bush—Patty Pan—very uniform in size, prolific and fine quality; grows to 12 inches in diameter. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., \$1.25; parcel post paid.

**EARLY WHITE BUSH**—The well-known summer variety. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.25; parcel post paid.



Early White Bush Spinach

**COCOZELLE, or ITALIAN SQUASH**—Grows large, oblong shape, dark green color at first, but when ripe is marbled with light green and yellow stripes. When sliced and fried in oil it is a vegetable delicacy superior to egg plant. This is an excellent squash and should be in every garden. Pkt., 5c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; 1 lb., \$1.75; parcel post paid.

**YELLOW CROOKNECK**—A bush variety, early and prolific; surface deep yellow, densely warted; quality and flavor good. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

**GIANT YELLOW SUMMER CROOKNECK**—Fruit is large, bright yellow, and covered with warts. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.50; parcel post paid.

**MAMMOTH SANDWICH ISLAND**—This splendid variety grows to fully double the size of the old sort; is of superior quality and delicate flavor. Pkt., 5c; oz., 20c; 2 oz., 40c; ¼ lb., 75c; 1 lb., \$2.50; parcel post paid.

## Squash

**CULTURE**—After danger of frost is past, plant in a warm, well-pulverized, rich soil, mixing well-rotted manure with the soil in each hill. Plant 8 or 10 seeds to the hill; the bush varieties 4 to 6 feet apart, the running sorts 8 to 10 feet.

**GOLDEN CUSTARD**—This is very much like the White Bush, except the color. It matures early, meat is rich yellow, fine and sweet. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 40c; 1 lb., \$1.25; parcel post paid.

## Spinach

**CULTURE**—Requiring but little culture, it is one of the most easily managed of all vegetables. The main crop is sown in September. For summer use it may be sown at intervals of 2 or 3 weeks, from March to August. One ounce to 100 feet of drill; 10 to 12 pounds to an acre.

**BLOOMSDALE CURLED SAVOY**—In appearance the leaf is wrinkled in the same way as that of the Savoy Cabbage, hence the name. It produces nearly twice the bulk of crop as the ordinary sort, is fully as hardy. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; 1 lb., 50c; 5 lbs., \$2.20; parcel post paid.



Bloomsdale Curled Savoy Spinach

**BROAD LEAF FLANDERS**—A very vigorous grower; the leaves are very broad, thick, tender and of a delicious flavor. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 20c; 1 lb., 50c; parcel post paid.

**LONG STANDING**—Is especially desirable because of the fact that it is much later in going to seed than the average variety. Pkt., 5c; oz., 10c; 2 oz., 15c; ¼ lb., 25c; 1 lb., 60c; parcel post paid.

**NEW ZEALAND SPINACH**—This is not a spinach of the ordinary kind, but a plant of branching growth. One single plant will grow to dimensions of six feet across, producing an abundance of thick, fleshy, juicy stems and leaves. Plant in hills 2 feet apart each way. 3 or 4 seeds to a hill. Pkt., 5c; oz., 20c; 2 oz., 30c; ¼ lb., 50c; 1 lb., \$1.75; parcel post paid.

## Swiss Chard, or Silver Beet

Grown for its leaves and stems only. Cook the leaves as you do spinach and the stems like asparagus. The plant is almost perpetual if kept trimmed; also good for poultry greens. Lucullus Swiss Chard is the best variety. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 35c; 1 lb., \$1.00; parcel post paid.

## Tobacco

The seeds are sown in the Spring. When these plants are almost 6 inches high, set out, 2 feet apart, in drills, with rows 3 feet apart. One ounce of seed will make enough plants to set out three acres.

**HAVANA**—Grown large for wrappers of cigars.

**CONNECTICUT SEED LEAF**—An early variety, for smoking and chewing.

**IMPROVED WHITE BURLEY**—Fine for both chewing and smoking.

Price of any of the above varieties: Pkt., 10c; oz., 50c; parcel post paid.



Swiss Chard





**Early Avon Tomatoes**

## Early Avon

Fully as early as Earliana, fruits much larger and always perfectly smooth, of a deep scarlet color and don't crack, a fine variety for early market trade.

**Pkt., 15c; ½ oz., 50c; 1 oz., \$1.00; 2 oz., \$1.50; ¼ lb., \$2.50.** Parcel post paid.

## Burpee's Whole Salad

A choice individual tomato, fruits in clusters, solid, smooth, bright scarlet in color, just right size for serving whole.

**Pkt., 10c; oz., 50c; 2 oz., 75c; ¼ lb., \$1.25; 1 lb., \$4.75;** Parcel post paid.

## June Pink

The best extra early purple or pink fruited tomato, excellent for early market.

**Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., \$1.00; 1 lb., \$3.50.** Parcel post paid.

## Ponderosa

An exceptionally large, purple-fruited tomato, and for home use one of the best; fruit very solid, with few seeds.

**Pkt., 5c; oz., 50c; 2 oz., 90c; ¼ lb., \$1.50; 1 lb., \$5.00.** Parcel post paid.

## Stone

Especially valuable for late plantings. Very solid and a good shipper; smooth and uniform in growth. Color a desirable red. Fine for canning, for its solidity.

**Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 75c; 1 lb., \$2.50.** Parcel post paid.

## Yellow Ponderosa

Equals Ponderosa in size, but bears rich golden-yellow fruits in abundance.

**Pkt., 5c; oz., 50c; 2 oz., 90c.** Parcel post paid.

## Early Detroit

The largest and best of the early purplish tomatoes. Fruits very smooth, nearly globe-shaped, firm and of excellent quality.

**Pkt., 5c; oz., 35c; 2 oz., 60c; ¼ lb., 75c; 1 lb., \$2.75.** Parcel post paid.

R. H. Co.'s Special Stock: **Pkt., 10c; oz., 50c; 2 oz., \$1.00; ¼ lb., \$1.75, 1 lb., \$5.50.** Parcel post paid.

## Red Pear Shaped

**Pkt., 5c; oz., 40c.** Parcel post paid.

## Red Peach

**Pkt., 5c; oz., 50c.** Parcel post paid.

## Yellow Pear Shaped

**Pkt., 5c; oz., 40c.** Parcel post paid.

## Burpee's "Dwarf Giant"

The tomato that won't blight. It is much the largest fruited of all dwarf tomatoes. The color is a rich purple crimson.

**Pkt., 5c; oz., 50c; 2 oz., 90c; 1-4 lb., \$1.25; 1 lb., \$4.00.** Parcel post paid.

# Tomatoes

**CULTURE**—The seed should be sown in March in a hot bed or green house, or may be sown in a box and kept inside the window of a room where the night temperature is not less than 65 degrees. The plants should be thinned out in the bed so as to give them plenty of room or they will be weak and poor. About the middle of May the plants may be set in the open ground from 4 to 5 feet apart each way. One ounce produces about 1,500 plants.

To prevent rot and blight on tomato plants spray with Bordeaux mixture when first fruits have set.

## Bonny Best

An excellent extra-early variety, maturing between Earliana and Chalk's Early Jewel. Medium sized, scarlet, smooth, round shape.

**Pkt., 5c; oz., 50c; 2 oz., 70c; ¼ lb., \$1.00; 1 lb., \$3.50.**

## Early Acme

Smooth, solid, purplish pink in color.

**Pkt., 5c; oz., 30c; 2 oz., 50c; ¼ lb., 75c; 1 lb., \$2.50.** Parcel post paid.

## Livingston's Globe

A desirable variety; large, roundish fruits, excellent for slicing. Flesh firm, with few seeds; ripens evenly; has a delicate, agreeable flavor; vines very prohas a delicate, agreeable flavor; vines very productive.

**Pkt., 5c; oz., 35c; 2 oz., 60c; 1-4 lb., \$1.00; 1 lb., \$3.50.** Parcel post paid.

R.-H. Co.'s Special Stock: **Pkt., 10c; oz., 50c; 2 oz., 90c; 1-4 lb., \$1.75; 1 lb., \$6.00.** Parcel post paid



**Early Detroit Tomatoes**



## Turnip

**CULTURE**—Spring sowing should be put in early so that they will attain a good size before hot weather. For the regular crop, sow the early sorts in July or August, the later sorts during August, and the salad varieties during August and September. Sow either broadcast or in drills 2 feet apart, thinning out to 6 inches and roll the ground after sowing. Rutabagas should be sown in July and early in August, and earthed up as they grow. New ground makes the best turnips, or, if sown in your garden, first mix a good supply of phosphate with the ground, then sow your seed. Cover the seed about  $\frac{1}{2}$  inch. Sow  $1\frac{1}{2}$  pounds to the acre in drills, 2 pounds, broadcast.

### Extra Early Purple Top Milan.

A white variety, purple top and strapleaf. This, with the White Milan, is the earliest of all turnips.

Pkt., 5c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 40c; 1b., \$1.25. Parcel post paid.

### Extra Early White Milan

The earliest turnip. Tops very small, distinctly strap-leaved and growing very erect.

Pkt., 5c; oz., 20c; 2 oz., 30c;  $\frac{1}{4}$  lb., 50c; 1b., \$1.50. Parcel post paid.

### Extra Early White Egg.

A quick growing, egg shaped, pure white variety. Very sweet, firm and mild.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1b., 75c. Parcel post paid.

### Mammoth Purple Top White Globe.

#### THE POPULAR VARIETY FOR GENERAL PLANTING

One of the handsomest and most salable turnips. For home or market it is unsurpassed. It is a large, rapid growing sort, being ready for the table or market in about 65 days, with globular shaped roots. Flesh pure white, and the best flavored of all turnips, raw or cooked. The skin is white, with a purple top. The most desirable sort.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c. Parcel post paid.

### Large White Globe.

#### EXCELLENT FOR TABLE OR SALAD

A popular variety for winter. Makes large, round white roots, flesh white, solid, sweet and fine grained, maturing in about 75 days. Excellent for table or stock; also quite largely used for spring salad.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 80c. Parcel post paid.

### R.-H. Co.'s American Red Top Globe Turnip.

Grown for us on contract from our own special seed stock. A perfect globe shape, with bright red or purple top and snow white bottom. It does not taper like other types of the same variety. This is due to the utmost care in selection when growing for seed. Our market gardeners here will have nothing but R.-H. Co.'s American grown Red Top White Globe, and we pride ourselves on this stock.

Pkt., 5c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00. Parcel post paid.

### Cow Horn.

#### EXCELLENT FOR TABLE OR STOCK

A long white turnip, 12 to 15 inches in length,  $2\frac{1}{2}$  inches in diameter and growing well above the ground. Of rapid growth, producing large, heavy roots in 75 days. One of the best and sweetest for home use or for stock feeding and excellent to plow under as a green fertilizer.

Pkt., 5c; oz., 15c; 2 oz., 25c;  $\frac{1}{4}$  lb., 35c; 1 lb., \$1.00. Parcel post paid.

### Amber Globe.

Of large size, globe shaped, solid yellow flesh; green top. Fine for table and stock.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c. Parcel post paid.

### Red or Purple Top Strapleaf.

Flat, white, with purple top. Fine grained and tender. Used for early market and table.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 80c. Parcel post paid.

### Seven Top.

The old standard popular salad variety, grown extensively for this purpose.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 20c; 1 lb., 50c. Parcel post paid.

### White Flat Dutch Strapleaf.

An extra early pure white, flat-growing variety. Recommended for early market.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 70c. Parcel post paid.

### Yellow Aberdeen Purple Top.

A splendid keeping variety with firm, solid, yellow meat.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c. Parcel post paid.



Mammoth Purple Top White Globe

## Rutabaga

Sow in drills or broadcast in June, July and August.

### Improved Purple Top Rutabaga.

The perfect Ruta Baga, of symmetrical shape and firm flesh. The finest and most profitable of all yellow, purple top Ruta Bagas, being the hardiest, heaviest, best shaped and most productive. The roots are better keepers than most sorts. The flesh is of a beautiful yellow color, of the choicest quality, full of nourishment. Excellent for table use and stock feeding. Matures in 95 days.

Pkt., 5c; oz., 10c; 2 oz., 15c;  $\frac{1}{4}$  lb., 25c; 1 lb., 75c. Parcel post paid.



Large White Globe Turnip



## R.-H. Co's. Mixed Sweet Peas



King White Spencers

### R.-H. Co's. Spencer Mixed.

They represent the highest achievement in Sweet Peas to date. This mixture has been made up of named sorts.  
Pkt., 5c; oz., 20c; 2 oz., 35c; 1-4 lb., 60c; 1 lb., \$2.00. Parcel post paid.

### Burpee's Finest Spencers.

From the house of Burpee. Their own special mixture of Spencer Sweet Peas.  
Pkt., 5c; oz., 25c; 2 oz., 40c; 1-4 lb., 75c; 1 lb., \$2.50. Parcel post paid.

### Eckford Royal Mixed.

Composed of the very best varieties of the Grandiflora type of Sweet Peas.  
Pkt., 5c; oz., 15c; 2 oz., 25c; 1/4 lb., 40c; 1 lb., \$1.25. Parcel post paid.

### R.-H. Co's. Early Flowering Mixed Spencers.

A rare combination containing all the shades of early flowering Spencers.  
Pkt., 10c; oz., 40c; 2 oz., 60c; 1/4 lb., \$1.25; 1 lb., \$4.50. Parcel post paid.

### Perennial Sweet Peas.

The plants are hardy and will live for years, but the flowers have not the fragrance of the annual Sweet Peas. These come in shades of red and white only.  
Pkt., 10c; oz., 45c; 2 oz., 80c. Parcel post paid.

### Cupid Mixed.

These form a line of emerald-green foliage a little over a foot wide and six inches high and from June until late summer.  
Pkt., 10c; oz., 30c; 2 oz., 60c; 1/4 lb., \$1.00. Parcel post paid.



Floradale Fairy Spencers

## Sweet Peas

Sow in January, February, March or April. Cover seed 2 to 4 inches, according to depth of your trench. The soil for Sweet Peas should be rich and deep, with Pulverized Sheep Manure in it. On high and dry soils they may be sown in drills from 4 to 6 inches deep, covered with an inch or two of soil pressed firmly, and the furrow filled in as the plants grow. When the seed is well above the ground, the little plants should be thinned out so as to be at least from 2 to 4 inches apart.

### Standard Spencer Varieties.

This group includes the largest and most beautifully formed sweet peas. The Spencers have very large, waved flowers, which are produced abundantly on long, strong stems, making the blossoms most desirable for cutting.

Price of the following 12 varieties Standard Spencer Sweet Peas: Pkt., 10c; oz., 35c; 2 oz., 60c; 1/4 lb., \$1.00; 1 lb., \$3.50. Parcel post paid.

### Blue Monarch Spencer.

A splendid dark blue flower, of large size.

### Countess Spencer

Bright clear pink, sometimes darker toward the edges; very large, open form; long stems. The first variety introduced of the Spencer type and still the best deep pink sweet pea.

### Constance Hinton.

Probably the largest White Spencer yet introduced. The flowers have a slight tint of pink when young and are almost uniformly in four flowered sprays on long stout stems.

### Fiery Cross Spencer.

Intense orange scarlet, distinct both in color and size.

### Floradale Fairy Spencer.

A beautiful shade of cream, flowers waved and produced four on a stem.

### Hercules Spencer

A magnificent soft, rose pink; extra large.

### King White

The form, size, vigor, waviness and purity of color give pre-eminence to its claim as the best Spencer.

### King Edward VII

The best pure red Spencer.

### Margaret Atlee

Is a rosy, salmon-pink on a creamy buff ground; a rich, soft color, and extremely attractive.

### Mrs. Cuthbertson Spencer

The Standard is rose pink, wings white flushed rose.

### R. F. Felton Spencer

The best lavender colored Spencer Sweet Pea. Has immense blooms. A striking color.

### Warrior Spencer

Lovers of the dark shades will appreciate this fine color which is a dark, rich purple.

### Early Flowering "Spencer" Sweet Peas.

Fully as large flowered as the other Spencers, come into bloom from two to three weeks earlier and flower throughout the season. Don't fail to plant them.

Price of the following six sweet peas, early flowering Spencers: Pkt., 15c; oz., 60c; 2 oz., \$1.00; 1-4 lb., \$1.75; 1 lb., \$6.50. Parcel post paid.

### Early Enthantress.

A deep, bright pink, large, well-waved flower, vigorous in growth, forming a mass of beautiful pink blooms.

### Early Glorious.

The Early Royal Purple Spencer, a gorgeous shade, with very large blooms.

### Early Lavender King.

Rich lavender in color, a most beautiful shade, conspicuous because of its size and form.

### Early Rosy Morn.

A pleasing shade of rose, flowers average two inches on long stems.

### Early Snow Storm.

The finest of the early flowering pure white varieties, a bold large flower.

### Early Yarrowa.

Bright rose pink with a clear orange base.





**SPECIAL RATES ON PACKET FLOWER SEEDS**

Select any six 5c size for.....	.25
Select any thirteen 5c size for.....	.50
Select any thirty 5c size for.....	1.00
Select any three 10c size for.....	.25
Select any seven 10c size for.....	.50
Select any fifteen 10c size for.....	1.00

We pay parcel post at above rates, but allow no further discounts.

**Acrolinium.**

Everlasting flower white and rose colored blossoms, half hardy annual, 15 inches high. Mixed colors.  
Pkt., 5c; oz., 60c.

**Adonis.**

Hardy annual, 1 foot high called the flos flower, scarlet flowers.  
Pkt., 5c; oz., 30c.



**Antirrhinum or Snap Dragon**

**African Daisy**

Bushy branching plant with daisy like flowers, white with light blue center.  
Pkt., 5c; oz., 60c.

**Ageratum**

Valuable for edging. Grows well in all soils. Annual 12 inches high. Mixed colors.  
Pkt., 5c; oz., 40c.

**Alyssum**

**SWEET**—Six to eight inches high; a fragrant, hardy annual, bearing spikes of small white flowers in great profusion. Useful for border of early bedding flowers. Sow the seed early in spring.

**LITTLE GEM**—Three to four inches high; fine for borders. Pkt., 10c; oz., 50c.

**Amaranthus Tricolor**

Very attractive annual, called Joseph's Coat.  
Pkt., 5c; oz., 50c.

**Amaranthus Cruentus**

Showy annual, known as Princess Feather.  
Pkt., 5c; oz., 40c.

**Antirrhinum, or Snap Dragon**

Flowers double the size of older sorts, more closely set on the stems and colors more clear and brilliant, growing about 18 inches high. Tall mixed of many colors.  
Pkt., 5c; oz., 60c. Half Dwarf Mixed: Pkt., 10c; oz., \$1.00.

**Asters.**

**CHINA**—Very effective in beds or borders. Mixed colors. Pkt., 5c; oz., 75c.

**GIANT COMET**—A good bedding variety with large blossoms, the petals of which are long, narrow and curled backward. Mixed colors. Pkt., 10c; oz., \$1.50.

**SEMPLE'S BRANCHING**—The plants form strong, branching bushes, 2 to 2½ feet high, bearing on long, strong stems their handsome Chrysanthemum-like flowers, which, under ordinary cultivation, average 4 inches

**VICTORIA MIXED**—Flowers very large and perfectly Pkt., 10c; oz., \$1.50.

**ALL COLORS MIXED**—A combination of all varieties, double, of globular shape and imbricated; 1½ feet high, giving both range of colors and shapes. Pkt., 5c; oz., 90c.

**Balsam.**

**DOUBLE MIXED**—Plant 12 to 18 inches apart. Transplanting two or three times has a tendency to dwarf the plants into better shape and to make the flowers more double. Pkt., 5c; oz., 50c.

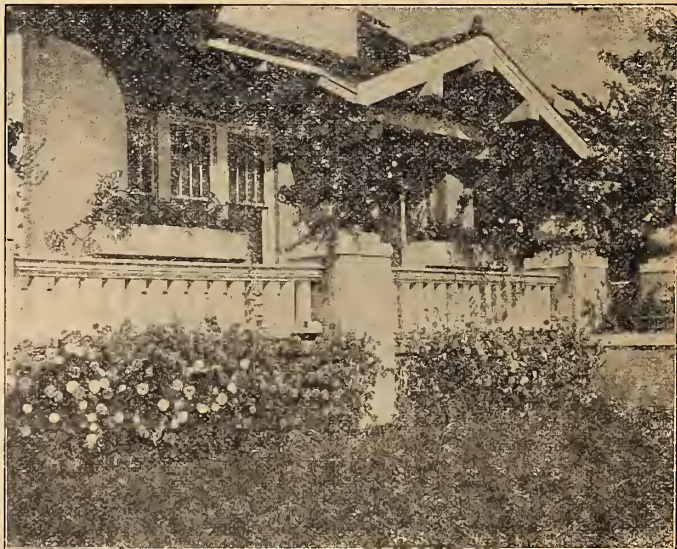
**BALSAM APPLE**—Round, pear-shaped fruit with very fine glossy, green foliage. This is a pretty climber. Pkt., 5c; oz., 30c.

**Balloon Vine.**

A rapid growing climber; thrives in light soil. Pkt., 5c; oz., 30c.

**Bachelor's Button.**

Mixed colors. Of easy culture; sow the seed where it is to remain and thin plants to 3 or 4 inches apart. Annual. Pkt., 5c., oz., 30c.



**Giant Comet Asters**



## Flower Seeds



**Cockscomb**

### **Cacalia**

Called Tassel Flower; pretty annual, two feet in height. Pkt., 5c; oz., 50c.

### **Calliopsis**

Showy, beautiful free flowering annuals, excellent for cutting and massing. Mixed colors. Pkt., 5c; oz., 25c.

### **Calendula (Pot Marigold)**

Very hardy annual, one foot high. Has showy flowers blooming until frost and producing a fine effect in borders. Mixed varieties. Pkt., 5c; oz., 50c.

### **Candytuft**

One of the earliest blooming plants in spring and easily raised from seed. The flowers are produced in clusters in a variety of colors. Very showy for borders or massing in beds. Pkt., 5c; oz., 20c.

### **Canary Bird Vine**

A beautiful climber with curiously shaped little canary-colored blossoms. Will blossom freely from July until killed by frost. Tender annual. Pkt., 5c; oz., 40c.

### **Canna**

Stately, ornamental, producing clusters of large flowers of the most intense, varied and brilliant colors. Plant the seed in February, first soaking them for a day in warm water. Mixed colors. Pkt., 5c; oz., 25c.

### **Canterbury Bells**

Handsone, hardy biennial of stately growth, rich color and profuse bloom; height 2 to 4 feet. Single mixed colors. Pkt., 5c; oz., 35c.

### **Cardinal Climber**

A new and brilliant colored annual climber. Flowers glowing scarlet, 1½ inches in diameter, the tube being 1¼ inches in length. Vines attaining a height of from 20 to 30 feet. Pkt., 10c; oz., \$1.00.

### **Carnation Marguerite**

The plants of this wonderful fine strain may be made to flower in four months. The flowers are large, double and very fragrant. Mixed colors. Pkt., 10c; oz., \$1.25.



**Coreopsis**

### **Chinese Woolflower**

Plant grows 2 to 3 feet high; produces roundish heads like a ball of wool, of rich scarlet color. Pkt., 10c; oz., \$2.00.

### **Cobea Scandens (Cup and Saucer Vine)**

A climber of rapid growth; valuable for covering trellises, arbors, trunks of trees, etc.; large, bell-shaped purple flowers. Pkt., 5c; oz., 60c.

### **Cockscomb Celosia**

The finest type of the feathered cockscomb. Huge plumes of crimson flowers. Pkt., 10c; oz., 60c.

### **Coleus**

Probably the best known and most popular of ornamental foliage plants. The leaves are of many shades of color. Tender perennial. Mixed colors. Pkt., 15c.

### **Columbine (Aquilegia)**

Very desirable, easily grown, old-fashioned perennials for borders, forming large, permanent clumps. Pkt., 5c; oz., 50c.

### **Coreopsis**

Fine for cutting; graceful flowers. Pkt., 5c; oz., 40c.

### **Cornflower (Centaura Cyanus)**

Known as Ragged Sailor or Cornflower. It is not a pretentious plant but will always charm by its simple beauty.

Single Mixed Cornflower—Pkt., 5c; oz., 25c.

Double Mixed—Pkt., 5c; oz., 30c.

Double Blue—Pkt., 10c; oz., 40c.



**Chinese Woolflower**

### **Cosmos**

Among the garden annuals that have come into prominence in recent years the Cosmos leads all. Seeds sown in the open ground in the beginning of April will produce blooming plants in July, and they will continue to flower late in the fall.

GIANT FLOWERING—White. Pkt., 10c; oz., 40c.

GIANT FLOWERING—Pink. Pkt., 10c; oz., 40c.

GIANT FLOWERING—Crimson. Pkt., 10c; oz., 40c.

DOUBLE PINK BEAUTY—Pkt., 10c.

DOUBLE WHITE QUEEN—Pkt., 10c.

GIANT FLOWERING—Mixed colors. Pkt., 10c; oz., 35c.

EARLY FLOWERING—Mixed colors. Pkt., 5c; oz., 30c.

### **Cypress Vine**

Rapid climber, having dark green, feathery foliage, bearing an abundance of star-like flowers; fine for trellises and arbors. Red Cypress Vine, pkt., 10c; oz., 50c; Mixed colors, Pkt., 5c; oz., 35c.

### **Dahlia (Double)**

This strain is a decided advance on the ordinary singles. The plants are of strong, robust habits, and produce in great abundance flowers of immense size, of the most bewildering variety of coloring. Mixed colors. Pkt., 10c; oz., \$1.25.

### **Daisy**

Finest double; very desirable for edgings or low borders. Mixed, pink and white. Pkt., 10c.

### **Daisy (Shasta's Burbank)**

Pure white; gigantic; will bloom in six months from seeding. Pkt., 10c.



## Gaillardia

Blanket flower, showy and excellent for beds or for cutting. Hardy annual 1-2 feet high, mixed. **Pkt., 5c; oz., 50c.**

**ESCHSCHOLTZIA—CALIFORNIA POPPY**—State of California. A genus of the poppy family, fully as valuable as the common poppy for garden ornamentation, as it bloom almost continuously. Hardy annuals; height 1 foot. Mixed. **Pkt., 5c; oz., 30c.**

**ESCHSCHOLTZIA—GOLDEN WEST**—Flowers 3 to 5 inches across. Bright yellow with orange blotch at base of petals. **Pkt., 5c; oz., 25c.**

## Forget-Me-Not

Six inches. Dainty, elegant little plants with graceful flowers, mostly in shades of blue. Mixed—many varieties. **Pkt., 5c; oz., 75c.**

## Four O'Clock (Marvel Peru)

Mixed. These flowers are funnel shaped; red, white, yellow or striped with these colors and open about four o'clock in the afternoon, remaining open all night. Hardy annual; 2 feet high. **Pkt., 5c; oz., 20c.**

## Foxglove (Digitalis)

Grows to the height of 3 or 4 feet, with dense spikes of brilliantly colored flowers. Colors, white, lavender, and rose. A valuable flower in every perennial garden. Mixed colors. **Pkt., 5c; oz., 35c.**

## Globe Amaranth (Bachelor's Button)

A single plant will produce several hundred flowers. 1 foot. Mixed colors. **Pkt., 5c; oz., 35c.**

## Gourd

A tribe of climbers with curiously shaped and colored fruit. Tender annual; 10 to 20 feet high. **Pkt., 5c; oz., 20c.**

## Helichrysum

Hardy annual everlasting flower, large double blooms called the Straw Flower, mixed colors. **Pkt., 5c; oz., 50c.**

## Heliotrope

Will bloom as easily from seed as any of the common annuals. **Pkt., 10c.**

## Hyacinth, or Jack Bean

A rapid growing annual climber; mixed; all colors. **Pkt., 5c; oz., 25c.**

## Ice Plant

A handsome and curious plant for hanging baskets, rock work and vases. The leaves and stems appear as though covered with ice crystals. The flower is white and pink. **Pkt., 5c; oz., 35c.**

## Jcb's Tears

Hardy annual grass with corn like leaves, the seeds are used to make ornamental chains. **Pkt., 5c; oz., 25c.**

## Kochia, or Summer Cypress

Grows quickly from seed sown in the open ground. The bushy plants resembling balls of fire; makes a good summer hedge. **Pkt., 5c; oz., 35c.**

## Larkspur

The larkspur is one of the handsomest and most useful of plants and for large gardens is invaluable. Tall annual. Mixed. **Pkt., 5c; oz., 40c.**

**PERENNIAL**—The hardy kind. Mixed varieties. **Pkt., 10c; oz., \$1.25.**

## Lobelia

A trailing variety with deep ultramarine blue flowers. Very fine for hanging baskets and boxes. **Pkt., 5c; oz., 60c.**

## Marigold

**TALL MIXED**—Immense flowers, 9 to 14 inches around; double; primrose, lemon, orange and golden shades. Hardy annuals, in bloom till frost comes. **Pkt., 5c; oz., 45c.**

**DWARF FRENCH**—Fine for edging and bedding. **Pkt., 5c; oz., 40c.**

## Mignonette (Sweet)

A well known, hardy annual, producing dense spikes of exceedingly fragrant flowers. If sown at intervals in spring and summer, it will bloom until killed by frost. **Pkt., 5c; oz., 25c.**

## Moon Flower

So called from its rare peculiarity of blooming best at night. A beautiful climber, producing large, sweet-scented flowers 4 to 5 inches across. Tender annuals, 15 to 20 feet. Soak seed and plant in warm, sunny place. White moon flower. **Pkt., 10c; oz., 50c.**

**BONA NOX**—Blue moon flower; large and fragrant. **Pkt., 10c; oz., 45c.**

## Morning Glory

A hardy climbing annual growing about 10 feet high. Flowers are well known and exist in a great variety of colors, tints and markings. Mixed colors. **Pkt., 5c; oz., 10c.**

**JAPANESE MIXED**—New improved Japanese Convolvus flowers measuring from 4 to 5 inches across; great variety of colors. **Pkt., 5c; oz., 20c.**

## Nasturtiums

Annual. For ease of culture, duration of bloom, brilliancy of coloring and general excellence, nothing excels Nasturtiums. All they need is a moderately good soil in a well drained, sunny position.

**R.-H. CO'S FANCY DWARF**—Extra select, large flowered, comprising all the best shades and colors. **Pkt., 10c; oz., 15c; ¼ lb., 35c; 1 lb., \$1.00.**

**DWARF CHOICE MIXTURE**—A magnificent strain containing countless shades, colors, stripes, blotches and veinings. **Pkt., 5c; oz., 10c; ¼ lb., 25c; 1 lb., 75c.**

**R.-H. CO'S FANCY TALL**—Giant flowers, the plants producing a profusion of bloom. **Pkt., 10c; oz., 15c; ¼ lb., 25c; 1 lb., 75c.**

## Ornamental Grass

Mixed varieties, makes fine borders or beds, very attractive. **Pkt., 5c; oz., 45c.**



Hollyhocks

## Hollyhock (Double, Mixed Colors)

Our seeds have been saved from the finest and largest double flowers only, and will produce flowers extremely double and in the best, brightest and most charming colors. Sow in April, May or June for next year's blooming.

**Double Red Hollyhock, Pkt., 10c; oz., \$1.50**

**Double Pink Hollyhock, Pkt., 10c; oz., \$1.50.**

**Double White Hollyhock, Pkt., 10c; oz., \$1.50.**

**Double Mixed Hollyhock, Pkt., 10c; oz., \$1.00.**

## Humulus (Japanese Hops)

Quick growing vine for veranda or trellis. Annual; not subject to insect pests. **Pkt., 5c; oz., 35c.**



Nasturtiums



## Pansies

These popular flowers thrive best on a cool, moist, but well-drained soil, enriched with well-rotted barnyard manure or fine ground bone. Seeds sown early will produce fine plants for summer blooming.

**CHOICE**—A splendid mixture of many very fine varieties. Pkt., 5c; oz., \$1.00.

**MAMMOTH FLOWERING MIXED**—A special mixture of all the Giant Pansies; very fine colorings; contains an almost endless variety of shades. Pkt., 10c; oz., \$1.75.

**OVERTON PARK MIXTURE**—Is ing almost every shade of color, ex-saved from exhibition flowers, includ-mottled and margined, all fancy var-quisitely spotted and blotched, veined. Pkt., 15c; oz., \$2.50.



Mammoth Flowering Pansies

## Phlox

The annual phlox occupies first place as a garden annual, being one of the most brilliant and at the same time one of the easiest and most satisfactory plants which can readily be grown from seed. It will grow and thrive in any kind of soil if given a sunny position, but prefers a light, rich loam. Seed may be sown in the open ground any time after danger of frost is past.

**DRUMMONDII (Choice Mixed)**—Contains fine, select varieties of this showy annual. Pkt., 5c; oz., 60c.

**DRUMMONDII (Large Flowering Mixed)**—Pkt., 10c; oz., \$1.00.

**STAR OF QUEDLINBURG**—Large flowers with curiously pointed and toothed blossoms having a star like form, mixed colors. Pkt., 10c; oz., \$1.25.

**FIREBALL**—Flowers large, blood red. Pkt., 10c.

**SNOWBALL**—Large, clear white flower. Pkt., 10c.

**HARDY PERENNIAL**—Large and showy; mixed colors; 3 feet. Pkt., 15c; oz., \$2.00.

## Pinks

**DIANTHUS**—Hardy and half-hardy biennials and perennials, but nearly all blooming the first year from seed; of easy culture.

**CHINA DOUBLE MIXED**—Pkt., 5c; oz., 50c.

**HEDDEWIGII DOUBLE MIXED**—Flowers very large and double and of various shades of brilliant colors. Pkt., 5c; oz., 60c.

**DOUBLE DIADEM**—A most brilliant mixing of colors of bewildering beauty. Pkt., 5c; oz., 90c.



Mammoth Flowering Petunias

## Petunias

**FINE SINGLE MIXED**—Good mixture of all free blooming colors. Pkt., 5c; oz., 60c.

**MAMMOTH FLOWERING**—Large flowering Grandiflora, all colors mixed; single fringed and ruffled. Pkt., 10c; oz., \$1.50.

**HOWARD'S STAR**—Compact-growing variety; flowers striped and blotched. Pkt., 10c; oz., \$2.00.

**INITIAL STRIPED AND BLOTCHED**—Includes striped or fine mixed flowers in a wide range of colors. A fine bedder. Pkt., 5c; oz., \$1.50.

**DOUBLE MIXED**—Will come 70 per cent double from seed. Finest mixed. Pkt., 25c.



Double Diadem Pinks

## Poppies

**DOUBLE PEONY FLOWERED**—Annual variety; mixed; large, full, double fringed flowers. Pkt., 5c; oz., 20c.

**SHIRLEY**—These handsome flowers are single, beautiful in color, from pure white to deep crimson. Pkt., 5c; oz., 30c.

**DOUBLE CARNATION FLOWERED**—Extra large and double. Pkt., 5c; oz., 25c.

**DOUBLE, FINE MIXED**—A combination of all varieties, single and double flowers. Pkt., 5c; oz., 25c.

**PERENNIAL**—Hardy perennial variety, of easy culture; in bright, glowing colors. Pkt., 10c.

**AMERICAN LEGION**—A beautiful new Shirley poppy. Pkt., 10c.

**DOUBLE SHIRLEY**—A new double Shirley. Pkt., 10c.

**DOUBLE PINK POPPY**—A beautiful satin pink. Pkt., 10c.

**DOUBLE RED POPPY**—Fine scarlet shade. Pkt., 10c.

**DOUBLE WHITE POPPY**—Purest white. Pkt., 10c.

## Portulaca

**SINGLE**—Fine mixed. Pkt., 5c; oz., 40c.

**DOUBLE**—Fine mixed. Low-growing or creeping, tender annual, 6 to 8 inches high, and bearing glossy, cup-shaped blossoms; very brilliant, gorgeous colors. Pkt., 10c.



## Ricinus

Stately, strong growing annual plants, with very ornamental foliage, well adapted as center plants of groups of cannas, dahlias, etc. Moles are troublesome in many gardens, but they may be kept away by planting Castor Beans in the borders. Ricinus Castor Bean, Mixed. **Pkt., 5c; oz., 20c.**

## Ricinus Zanzibariensis

Leaves very large, having a brilliant luster of bright green, red and bronze colors. Grows 10 to 15 feet high. Mixed coors. **Pkt., 10c; oz., 25c.**

## Rudbeckia (Golden Glow)

Fine free-flowering annual variety. The disc is brown, the florlets golden yellow, with large velvety brown spots at the base. Very effective and useful for cutting. **Pkt., 10c; oz., \$1.00.**

## Salvia (Scarlet Sage)

A tender perennial, blooming the first season from seed. The blossoms are borne on long stems in racemes or spikes. The plant blooms profusely. **Pkt., 10c; oz., \$2.00.**

**CLARA BEDMANS**—Flowers of a most brilliant, dazzling scarlet; one of the finest. **Pkt., 15c; oz., \$2.50.**

## Scabiosa

Also called Mourning Bride. Flowers about 2 inches in diameter, resembling a pincushion. A very showy annual. Double mixed colors. **Pkt., 5c; oz., 25c.**

## Scarlet Runner Beans

A great favorite, not only as an ornamental climber, but for the delicious edible beans which succeed the bright scarlet sprays of pea-shaped blossoms. **Pkt., 5c; oz., 15c.**

## Snow on the Mountain

Hardy annual for beds and borders, leaves glossy green, spotted white, grows 2-3 feet high. **Pkt., 5c; oz., 40c.**

## Sensitive Plant

One of the most remarkable and interesting plants in cultivation; the leaves, when touched, instantly fold up. **Pkt., 5c; oz., 45c.**

## Stocks

**TEN WEEKS**—Mixed. These popular plants are generally grown both for the brilliance and profusion of their blossoms and their fragrance. They are quite easily cultivated. **Pkt., 5c; oz., 80c.**



Snow on the Mountain

## Sunflower

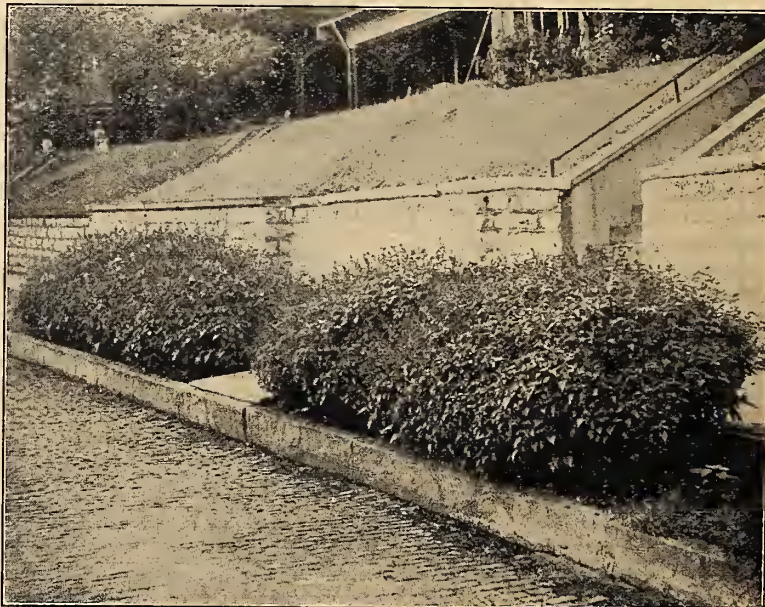
Tall growing plants, with large and showy yellow flowers; hardy annuals. Any variety: **Pkt., 5c; oz., 30c.**

**DOUBLE DWARF**—4 feet.

**GLOBE OF GOLD**—4½ feet.

**DOUBLE TALL**—7 feet.

**SINGLE**—5 feet.



Scarlet Sage or Salvia

## Sweet William

**SINGLE**—Varieties; mixed; more attractive than the double. **Pkt., 5c; oz., 30c.**

**DOUBLE**—Mixed; a mammoth flowered type of great beauty. **Pkt 10c; oz., 70c.**

## R.H. Co's. Early Flowering Spencer

### Sweet Pea Collection

One packet each of the following varieties of early flowering Spencer Sweet Peas for 50c, parcel post paid.

Early Enchantress, deep, bright pink.

Early Glorious, gorgeous royal purple.

Early Lavender King, rich lavender.

Early Rosy Morn, a beautiful rose.

Early Snowstorm, pure white.

Early Yarrawa, bright rose pink.

## R.-H. Co's. Standard Spencer Collection

One packet each of the following ten fine Spencer Sweet Peas for only 60c, parcel post paid.

Blue Monarch, large dark blue.

Constance Hinton, very large white.

Countess, large bright, clear pink.

Fiery Cross, intense orange scarlet.

Florodale Fairy, beautiful shade cream.

Hercules, magnificent soft rose pink.

King Edward VII, the best pure red.

King White, a distinct large white.

Margaret Atlee, rosy salmon pink.

Mrs. Cuthbertson, rosy pink wings.

R. F. Felton, immense lavender.

Warrior, a very large dark rich purple.



## Thunbergia

**BLACK-EYED SUSAN**—A beautiful, tender climber, 3 to 5 feet high, with pale yellow or orange-yellow flowers, having a distinct black center. Tender annual. Pkt., 10c; oz., 75c.

## Verbenas

**CHOICE**—Mixed; embraces all colors. Pkt., 5c; oz., 50c.  
**MAMMOTH FLOWERED MIXED**—Embraces a wide range of the most beautiful colors, the clusters being of large size. Pkt., 10c; oz., \$1.00.  
**FINE PINK**—Pkt., 10c; oz., \$1.00.  
**DEEP PURPLE**—Pkt., 10c; oz., \$1.00.  
**BRIGHT CRIMSON**—Pkt., 10c; oz., \$1.00.  
**PURE WHITE**—Pkt., 10c; oz., \$1.00.  
**STRIPED**—A mixture of striped sorts. Pkt., 10c; oz., \$1.00.



R.-H. Co.'s Giant Zinnia

## Vinca

**PERIWINKLE** — Ornamental free-blooming, handsome bushy plants, with glossy foliage and round single flowers, 1½ inches across. Blooms the first season from seed. Desirable for massing or borders. Vinca, mixed colors, Pkt., 10c; oz., 75c.  
**VINCA ROSEA**—Pink. Pkt., 10c; oz., 75c.  
**VINCA ALBA**—Pure white. Pkt., 10c; oz., 75c.

## Wallflower

Very conspicuous in beds or borders, and are very useful in making bouquets. They are deliciously fragrant; single mixed. Pkt., 5c; oz., 35c.

## IN YOUR HOME GARDEN

"Dig deep, manure well, work often." Thus Pliny the Elder, nearly 2,000 years ago, summed up gardening. His advice is good today.

Enthusiasm must be backed by solid purpose—enough of it to surmount obstacles and survive disappointments.

The best insurance against accidents in gardening is knowing how to garden.

## Zinnia (Youth and Old Age) Hardy Annual

Zinnias begin to bloom early in the summer and continue profusely until frost, requiring no attention and succeeding almost anywhere.

**DOUBLE MIXED**—Embracing all the variously colored double varieties, making an elegant mixture for groups, beds, borders etc. Pkt., 5c; oz., 50c.

**FANCY LARGE FLOWERING MIXED**—A magnificent form of this most useful annual with a wonderful range of brilliant colors. Pkt., 10c; oz., 60c.

**DOUBLE CURED AND CRESTED**—A new strain, fantastically shaped flowers with twisted petals, brilliant colors. 2 feet. Pkt., 10c; oz., 80c.

**RED RIDING HOOD**—12 inches high. Small, intense scarlet flowers. Effective border plant. Pkt., 10c; oz., 80c.

**DWARF DOUBLE MIXED**—Very dwarf. Mixed all colors. Pkt., 5c; oz., 60c.

## R.-H. Co.'s. Giant Zinnias

**NEW GIANT FLOWERING ZINNIA**—In this strain of zinnias we have a flower of perfect form, round, full and double and immense in size. The individual plants form large bushes and bear above the foliage numerous flowers on long, stiff stems, which makes them valuable for cutting and will render them a favorite wherever tried. The plants grow from 2½ to 3 feet high, while the flowers often measure 5 to 6 inches across, and thickly set with velvety petals.

Fancy Crimson. Pkt., 10c; oz., 80c.  
 Fancy Pink. Pkt., 10c; oz., 80c.  
 Fancy White. Pkt., 10c; oz., 80c.  
 Fancy Yellow. Pkt., 10c; oz., 80c.  
 Fancy Orange. Pkt., 10c; oz., 80c.  
 Fancy Purple. Pkt., 10c; oz., 80c.  
 Fancy Striped. Pkt., 10c; oz., 80c.  
 Mixed Colors. Pkt., 10c; oz., 75c.

## New Dahlia-Flowered Zinnias

In this fine new type of zinnias the flower petals stand well apart. This characteristic adds to the texture of the flowers and lends a graceful and airy appearance. The flowers have a close resemblance to Decorative Dahlias. Many fine colors. Pkt., 15c; 1-4 oz., 50c; oz., \$1.50.

## Wild Cucumber Vine

Ornamental climbing cucumber with curious fruit; remarkable for its luxuriance and rapidity of growth. Pkt., 5c; oz., 25c.

## Wild Flower Garden Mixture

A delightful surprise to thousands of flower lovers; not a tame garden of wild flowers, but a wild garden of tame flowers. A mixture of the choicest seeds, mostly annuals, to be sown haphazard, in a promiscuous way. Pkt., 5c; oz., 15c.



Fancy Large Flowering Zinnia

Remember that the Peaches must be sprayed every two weeks with Lime Sulphur Spray for the control of Brown Rot.

Spray Tomatoes with Bordeaux Mixture every two weeks for the control of Leaf Disease.

Plant Tomato Seed in May and transplant during July in the garden or field. These will produce Tomatoes during September and October. Stone is a good late variety.



## Spring Flowering Bulbs

### Select Cannas

**CHAS. HENDERSON**—Crimson flower, very showy; plants, 4 feet, with green foliage. Each, 15c; doz., \$1.35; parcel post paid. Not prepaid: doz., \$1.25.

**DAZZLER**—Vivid scarlet, 5 feet; extra large flowers, with green foliage. Each, 20c; doz., \$1.65; parcel post paid. Not prepaid: Doz., \$1.50.

**HUNGARIA**—The new pink canna with green foliage, a beautiful shade of rose pink, 4 feet. Each, 20c; doz., \$2.00; parcel post paid. Not prepaid: Each 15c; doz., \$1.75.

**KING HUMBERT**—Orange scarlet, bronze foliage, 4 feet. Each, 20c; doz., \$2.00; parcel post paid. Not prepaid: Each 15c; doz., \$1.75.

**WINTZERS COLOSSAL**—5 feet. A rich glowing scarlet with immense blossoms. One of the finest. Each, 25c; doz., \$2.00, parcel post paid. Not prepaid: Doz., \$2.25.

**ORANGE BEDDER**—Green foliage, very large orange scarlet flowers, 4 feet. Each 20c; doz., \$1.65; parcel post paid. Not prepaid, doz., \$1.50.

**CITY OF PORTLAND**—One of the finest pink cannas. Rich green foliage. 3½ feet high. Each, 25c; doz., \$2.40; parcel post paid. Not prepaid, doz., \$2.25.

**THE PRESIDENT**—Bright crimson, very large flower, deep green foliage. 4 feet. Each 25c; doz., \$2.40; parcel post paid. Not prepaid, doz., \$2.25.

**EUREKA**—Best white canna; large flowers; green foliage, 4 feet. Each, 20c; doz., \$2.15; parcel post paid. Not prepaid: Doz., \$2.00.

**THE GEM**—Deep cream or straw color, dotted with pale carmine, foliage green. 4 feet. Each 15c; doz., \$1.25; parcel post paid. Not prepaid, doz., \$1.00.

**YELLOW KING HUMBERT**—Yellow dotted red, green foliage, 4 feet. Each, 20c; doz., \$2.25; parcel post paid. Not prepaid, doz., \$2.00.

**WYOMING**—Yellow with crimson markings; bronze foliage, 5 feet. Each, 15c; doz., \$1.50; parcel post paid. Not prepaid, doz., \$1.25.



President Cannas

### Choice Dahlias (in Colors)

Plant bulbs in March and April, 3 feet apart. The dahlia is one of the prettiest of our summer flowers.

Double Pink	Double Purple	Double Yellow
Double White	Double Scarlet	Double Striped
Double Salmon	Double Orange	

Each, 20c; doz., \$2.20; parcel post paid. Not prepaid: Each, 15c; doz., \$1.75.

### Fancy Named Show Dahlias

Prices on the following named eight varieties of Dahlia Bulbs as follows: Each, 40c; doz., \$4.00; parcel post paid. Not prepaid, each, 35c; doz., \$3.50.

**COUNTESS OF LONSDALE**—Rich salmon pink; cactus form.

**A. D. LIVONI**—A grand show variety; the finest of the bright pinks.

**MINA BURGLE**—A perfect decorative dahlia; fine, large, bright red.

**DELICE**—Decorative type; glowing rosy pink.

**SYLVIA**—Mauve pink; extra large decorative type.

**MISS MINNIE McCULLOUGH**—Fine, dark yellow, decorative dahlia.

**HEIN KOENIG**—A grand white cactus dahlia.

**CUBAN GIANT**—Fancy show, large purple dahlia.



Caladiums or Elephant Ears

### Caladiums

Canadiums are the most effective plants in cultivation for beds, borders, or for planting out upon the lawn. Small bulbs, each, 15c; doz., \$1.25; parcel post paid. Not prepaid, by express, each, 10c; doz., \$1.00.

Large bulbs, each, 25c; doz., \$2.50; parcel post paid. Not prepaid, by express, each, 20c; doz., \$2.00.

Mammoth bulbs, each, 50c; doz., \$4.25; parcel post paid. Not prepaid, by express, each, 40c; doz., \$4.00.

### Lilies

**L. ABATUM**—Golden Band Lily, flowers white, dotted crimson with a gold band in the center of each petal. Each, 40c; doz., \$4.00; parcel post paid. Not prepaid, each 35c; doz., \$3.50.

**L. RUBRUM**—Bright crimson and white spotted. Each, 40c; doz., \$4.00; parcel post paid. Not prepaid, each 35c; doz., \$3.50.

**L. ALBUM**—Large pure white flowers, each 40c; doz., \$4.00; parcel post paid. Not prepaid, each, 35c; doz., \$3.50.

**L. TIGRINUM**—The well known double tiger lily. Each, 25c; doz., \$2.50; parcel post paid. Not prepaid, each, 35c; doz., \$2.25.



Countess of Lonsdale Dahlias



## Spring Flowering Bulbs

### Gladioli

One of the best and most certain flowering bulbs. Plant at intervals from March to July.

**FINEST MIXED HYBRIDS**—By mail: Doz., 50c; per 100, \$3.00. By express: Doz., 40c; 100, \$2.50.

**GLADIOLUS CHILDSII**—Superb; large flowered; mixed colors. Per doz., 60c; per 100, \$4.25; parcel post paid. By express: Doz., 50c; per 100, \$3.75.

**PRIMULINUS HYBRIDS**—A new species called the Butterfly Gladiolus; mixed colors. Doz., 60c; 100, \$4.00; parcel post paid. Not prepaid: Doz., 50c; 100, \$3.50.

### Named Gladiolus Bulbs

**AMERICA**—Soft, lavender pink; very fine. Doz., 60c; 100, \$3.75; parcel post paid. Not prepaid: Doz., 50c; 100, \$3.50.

**AUGUSTA**—Pure white, with blue anthers; tall. Doz., 60c; 100, \$3.75; parcel post paid. Not prepaid: Doz., 50c; 100, \$3.50.

**BRENCHLEYENSIS**—Intense scarlet, tall spiked; very showy. Doz., 65c; 100, \$4.25; parcel post paid. Not prepaid: Doz., 55c; 100, \$4.00.

**HALLEY**—Delicate rose, with a white blotch. Doz., 70c; 100, \$4.50; parcel post paid. Not prepaid: Doz., 60c; 100, \$4.25.

**MRS. FRANCES KING**—Produces immense flamingo pink blossoms. Doz., 60c; 100, \$3.75; parcel post paid. Not prepaid: Doz., 50c; 100, \$3.50.

**MRS. FRANK FENDLETON, JR.**—Salmon pink, blotched red. Doz., 75c; 100, \$5.00; parcel post paid. Not prepaid: Doz., 65c; 100, \$4.75.

**NIAGARA**—A delightful cream shade, splashed with carmine. Doz., 75c; 100, \$5.00; parcel post paid. Not prepaid: Doz., 65c; 100, \$4.75.

**PANAMA**—Darker pink than America and larger. Doz., 70c; 100, \$4.50; parcel post paid. Not prepaid: Doz., 60c; 100, \$4.25.

**SCHWABEN**—Pure canary yellow, shaded sulphur yellow. Doz., 85c; 100, \$5.75; parcel post paid. Not prepaid: Doz., 75c; 100, \$5.50.



Panama Gladiolus

### Named Peonies

**EDULIS SUPERBA**—Deep rose pink. Each, 50c; doz., \$5.00; parcel post paid.

**COURONNE D'OR**—Well shaped white flowers with yellow crowns. Each, 50c; doz., \$5.00; parcel post paid.

**LOUIS VAN HOUTTE**—A deep cherry red; large blossoms; succeeds well here. Each, 50c; doz., \$5.00; parcel post paid.

**FLORAL TREASURE**—A pleasing pink; a beautiful shade. Each, 60c; doz., \$6.00; parcel post paid.

**FESTIVA MAXIMA**—This is the finest white. Each, 50c; doz., \$5.00; parcel post paid. By express deduct 10c on single and 50c on dozen prices.

### Tuberose

**A R M S T R O N G ' S**  
**EVER - B L O O M I N G**  
**TUBEROSE**—A single, sweet-scented early blooming variety; blooms longer than the double. Doz., 60c; 100, \$4.00; parcel post paid. Not prepaid: Doz., 50c; 100, \$3.75.

**DOUBLE PEARL**—Doz., 70c; parcel post paid. By express: Doz., 60c; 100, \$4.00.

**MADEIRA VINE**—A beautiful, rapid growing climber, bearing fragrant white flowers. Each, 10c; doz., \$1.00; parcel post paid.

**CINNAMON VINE**—Hardy climber, of a delicious cinnamon fragrance. Each, 10c; doz., \$1.00; parcel post paid. each, 35c; doz., \$3.50.



Double Pearl Tuberose



Double Peonies

### Peonies

Adapted for massing in beds, and particularly valuable for planting in groups throughout the perennial or shrubbery border.

An important point to observe in the planting of Peonies is not to plant too deep. The roots should be placed so that the crowns are covered with 2 inches of soil. Too deep planting is a frequent cause of shy flowering.

These are all select bulbs true to color as listed.

**DOUBLE CRIMSON**—Each, 35c; doz., \$3.00; parcel post paid.

**DOUBLE PINK**—Each, 35c; doz., \$3.00; parcel post paid.

**DOUBLE WHITE**—Each, 35c; doz., \$3.00; parcel post paid.

By express deduct 10c on single and 50c on dozen prices.

### Amaryllis

Very popular for house culture and easily grown by everyone.

**R-H CO.'S HYBRID AMARYLLIS**—Has immense trumpet-shaped flowers, which measure six to eight inches across, and are of rich, deep velvety crimson, each petal having a bright wide stripe, contrasting beautifully with the deep red color. Each, 60c; parcel post paid. Not prepaid: Each, 50c.

**FORMOSISSIMA (AMARYLLIS)**—Crimson scarlet; very showy. Each, 35c; 3 for \$1.00; 6 for \$1.75; parcel post paid.

### Fall Bulbs

Our Fall Catalog and Price List will be ready in September. We import direct from growers a very select stock of Dutch Hyacinths, Tulips, Narcissus, Crocus, etc. Don't fail to write for a copy of Fall Catalog.



## The Cotton Situation for 1923

To make money growing cotton in 1923 the farmer must realize that he has a deadly enemy to fight from the beginning to the end; an enemy who is capable of raising reinforcements by the millions daily. The farmer who begins firing first and continues firing to the last is the one most likely to win the battle.

The first requisite in battling with the boll weevil is undoubtedly the selection of the earliest maturing variety of cotton of the type best suited your soil and conditions. The next step is the securing of the best bred and purest seed of this variety from a thoroughly reliable source.

We are all familiar with the fact that cotton seed "runs out", which is due to lack of knowledge or lack of care in selecting seed from the best plants only, mixing at the gins, etc. Regardless of how it happens, results are the same. Most assuredly it will pay to buy bred up, pedigreed seed.

With good seed, naturally, the next thing in importance is the preparation and cultivation of the soil. There are numerous methods being pursued with apparent success, some of which we are outlining on the following pages merely for the information and guidance of our customers.



A field of Delfos 6102 which produced 807 pounds of 1-3/16 in. lint per acre in 1920 without fertilizer. The best of the same field averaged 742 pounds of lint again in 1921.

Good seed of a good cotton, thorough preparation and cultivation, and a full stand were the primary factors in these phenomenal yields. (Reproduced by permission from bulletin Miss. Delta Experiment Station.)

### Select the Right Variety

We would like to call your attention to the advice given by Dr. E. R. Lloyd, Director of the Memphis Farm Bureau and formerly Director, Mississippi Experiment Stations, unquestionably one of the ablest cotton experts in the country. You will notice Dr. Lloyd lays stress on the importance of selecting the right variety for your particular section. This is a matter of vital importance and should not be considered lightly. The several cotton growing states maintain experiment stations located in different sections for the purpose of determining the best varieties and ascertaining the best methods of cultivation for each locality and for each type of soil. The Delta Branch Experiment Station, Stoneville, Mississippi, has issued a bulletin giving the money value per acre produced by nine of the standard varieties grown in the delta, covering five and ten year periods. It is interesting to note that the difference between the money value of the best and poorest varieties amounts to \$63.05 per acre on a five year average. While we do not have room to reproduce the table, we are giving an extract from this bulletin, which we trust will be of value to our customers.

"Variety tests conducted at the Station for the past ten years should be worth much to farmers in deciding what variety to use. For the past ten years Express has stood slightly ahead of Foster, but recently Delfos 'Delta-bred-Foster' has been the best producer by a considerable margin. Webber stands third and is a good variety except for exceedingly fertile soil, where it makes too much stalk,

and on lands that are cold and naturally late. Webber is not as early as Express and Delfos. Wannamaker-Cleveland has given better results than any other short cotton, but it is very short, the lint being only  $\frac{3}{8}$  of an inch."

Through our system of keeping in close touch with the experiment stations and the farmers of each section, we are thoroughly informed as to the best varieties for each locality. It is here that we can be of great assistance to our customers in helping them determine the best variety for their particular requirements.

### Plant Only Bred Up or Pedigreed Cotton Seed

The U. S. Department of Agriculture has determined through experiments that cotton seed becomes so badly mixed at public gins that it is usually profitable for the farmer who does not own a gin to buy bred up or pedigreed seed from a thoroughly reliable source each year. A great many of us do not realize that the breeding, selecting and improving of different types of cotton requires expert knowledge—knowledge which it takes years of hard work and expensive study to acquire. This is why bred up, pedigreed seed costs more, but experience has proven they are the cheapest in the end.





## What Is Being Done to Fight the Boll Weevil

Ever since the Mexican boll weevil first invaded Texas, Government agencies and individuals have been seeking the best methods to combat its damage to the cotton crop.

Hundreds of different poisons have been tried out, numerous methods of spacing and cultivation have been employed and varieties of cotton have been developed. We have endeavored to keep informed as to what was being done and are giving below some of the different methods which apparently are meeting with success.

### How to Combat the Boll Weevil in 1923

By E. R. LLOYD and C. W. WATSON,  
Farm Development Bureau, Chamber of Commerce,

Memphis, Tennessee.

It would be utter folly in this section to attempt making a satisfactory cotton crop in 1923 without using every effort known in fighting the boll weevil. This is especially true if we have a mild winter, permitting the weevil to hibernate safely and emerge in large quantities early next spring.

#### Five Limiting Factors

In order to produce the maximum yield, with or without the weevil, there are at least five very important things to consider, any of which if not followed, may limit the yield or curtail production. These are:

1. A well-prepared seed bed.
2. Judicious use of commercial fertilizer to hasten maturity of the crop.
3. Purest types of Pedigreed or "Bred-up" cotton seed available of early maturing standard varieties of seed, such as:  

Acala No. 5	Express No. 350
Wannamaker-	Deltatype Webber
Cleveland	Delfos No. 6102
Webber No. 49	
4. Plant on a settled seed bed as early as danger of frost is over.
5. Intensive cultivation, once every ten days and after each rain as far as practical. Cultivate until late in season.

### Three Things Necessary to Do in Order to Get a Profit in 1923

1. Begin poisoning with Calcium Arsenate as soon as the weevil begins to show on the squares. At this stage it requires a very small amount of poison to cover an acre. Each weevil killed at this time is equal to millions a few weeks later. Continue poisoning late, if necessary. In rare instances it has paid to poison even as late as September.
2. Orderly marketing of the crop, by placing only sufficient number of bales on the market each month to supply demand and not enough to depress the price by creating a surplus at any given time.
3. By producing your food and feed. This will take care of the surplus acreage on each farm and balance crops sufficient to take care of the live stock. Grow your food for home consumption and make cotton a money crop instead of a debt paying crop.

#### Poisoning with Calcium Arsenate

The United States Department of Agriculture has been conducting elaborate experiments for years in poisoning the boll weevil. After trying out thousands of different forms of poison, they have come out with strong recommendation of the use of dry powdered Calcium Arsenate where the land would produce as much as a half bale to the acre under ordinary conditions. Thousands of acres have been poisoned by this method, and in most cases the farmers were highly pleased with results. Some farmers, however, feel that they cannot afford to use Calcium Arsenate owing to the cost, with the possibility of continued rains undoing their work. From our observation we unhesitatingly recommend the use of Calcium Arsenate on land that will produce a half bale to the acre under ordinary conditions.

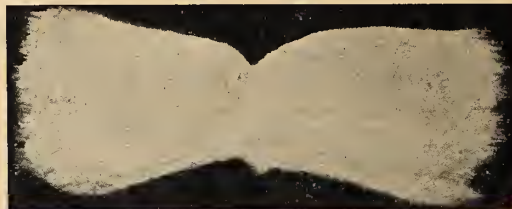


## Thicker-Than-Hoe Spacing Method

Mr. M. C. Bailey, at Covington, Tenn., has been doing some real work in fighting the boll weevil without the use of poison. The Country Gentleman, the oldest and largest farm paper in this country, carried an article in March, 1922, describing his methods. The U. S. Department of Agriculture has sent representatives to view Mr. Bailey's work, which has shown rather remarkable results.

Mr. Bailey has written a book outlining his several methods. He has supplied us with a synopsis of one of his methods, which we are producing herewith. Mr. Bailey's book is for sale by him at \$1.00 per copy, and we believe that it is well worth the price.

Photograph shown on preceding page is our Deltatype Webber, planted June 1st by W. C. Bailey in his thicker-than-hoe spacing tests. 16 stalks, 60 matured bowls, in 3 feet of drill.



Full 1 1/4-Inch Staple Cotton Has Been Grown in Boll Weevil Territory with Bailey Method

## Synopsis of the Bailey Method

Break your land in the fall and winter if possible. When spring comes, disc and harrow your land well, mark off and plant on a level. Or use a shovel and make up small rows. After planting, drag with a light two-row drag.

Use a good grade of fertilizer thoroughly mixed; apply before planting.



Acala No. 5 Cotton Boll

Plant as early as possible, using 30 to 45 pounds of seed per acre. Use your seed in proportion to the distance which you space your rows. As soon as you have a fair stand begin using your section harrow and harrow diagonally from both sides in the shape of an X. This cultivation breaks the crust of the earth and lets sunshine and oxygen in and starts the plant to growing. For your next cultivation, use a small shovel or cultivator of some kind. These tools are all that are really needed in making a cotton crop. **Do not chop your cotton.**—Chopping only adds to the cost of production, and prolongs the growth of your stalks. Leave your cotton like it comes up, let your mules and section harrow do your thinning. Owing to their narrow erect forms, close spaced cotton is less crowded than those thinned by the old method because those plants fully develop their long vegetative limbs, which often are as large as the stalks of the thicker than hoe-spacing. By using my methods of cultivation practically all vegetative branches are suppressed. Nothing but fruiting branches appear (examine photograph). Wide spaced cotton grows larger branches and it takes longer to grow a crop of bolls. Early planting, with thicker than hoe-spacing will mature a crop of bolls 10 to 20

days earlier than the old method of chopping 80 per cent of the plants out. Thicker-than-hoe-spacing controls the weevil in a certain degree like poison, with practically no cost. Boll Weevil Insurance means not less than 50,000 stalks per acre, against the U. S. average, which is around 7,500 stalks per acre. Consequently you have 15 or 20 more chances—so many early forms coming on at the same time will give a good average against the weevil. **By using my method you can almost mature an average crop of bolls before the weevil becomes numerous enough to destroy all squares as fast as they are formed.** The new method is effective in increasing the yield of seed cotton over the old system of culture. With average soil well fertilized and a fairly severe weevil infestation, average gains of 300 to 500 pounds of seed cotton per acre are not at all uncommon. There is practically no difference in the quality of the lint. The crop is less damaged by weevil and rain.

I do not positively say that these results will be applicable generally, but with my 5 years experimenting and close observation, I have found it to be true under general average conditions. Any farmer can take my book and within two years learn how to reduce his cost around 50 per cent in cotton culture.

## Transplanting Cotton From Cold Frames

It may be true there is nothing new under the sun, but here is at least a most unusual if not new method of planting cotton, and the results were so attractive we pass the story along.

Mr. C. C. Hanson, who owns quite a large place near Brunswick, Tennessee, and whose Hansonhurst Creamery, by the way, is a matter of pride to all of Shelby County, gave us, at our request, his experience with this method, which he says was suggested to him by his head gardener.

Two acres of land were planted in one tract—one acre with cotton transplanted from cold frames, the other acre in the ordinary way, both on the same soil. The preparation, fertilization, cultivation and spraying for boll weevil were identical, and the same variety of cotton was planted on both acres.

On the acre planted in the ordinary way approximately a half bale was picked. On the acre transplanted from cold frames, approximately one and one-half bales were picked—a clear gain of a bale of cotton and a half ton of seed to the acre.

The explanation of this marvelous increase is simple. The transplanted cotton was planted in cold frames about the end of March, using very small veneer dirt bands, three seed to the band. When ready to transplant, the bands were lifted out without disturbing the dirt around the plants and were set in the acre field, which had

been previously checked off, in 3 1/2-foot rows, each way; 3600-hills to the acre, three plants to the hill. When transplanted the plants were four to five inches high. This method put the plants five to six weeks in advance of the acre planted in the ordinary way, which acre was planted as early as was safe, bearing in mind average late frosts.

The boll weevil was very bad notwithstanding the spraying. One could go out any time and pick from six to a dozen weevils off of a few stalks. But the transplanted cotton had advanced so far in growth and had set so much fruit before the weevil got bad that the yield of a bale and a half was obtained. All the weevils got was a very heavy top crop of squares, and no evidence was found of their attacking the young bolls of the lower crop at all.

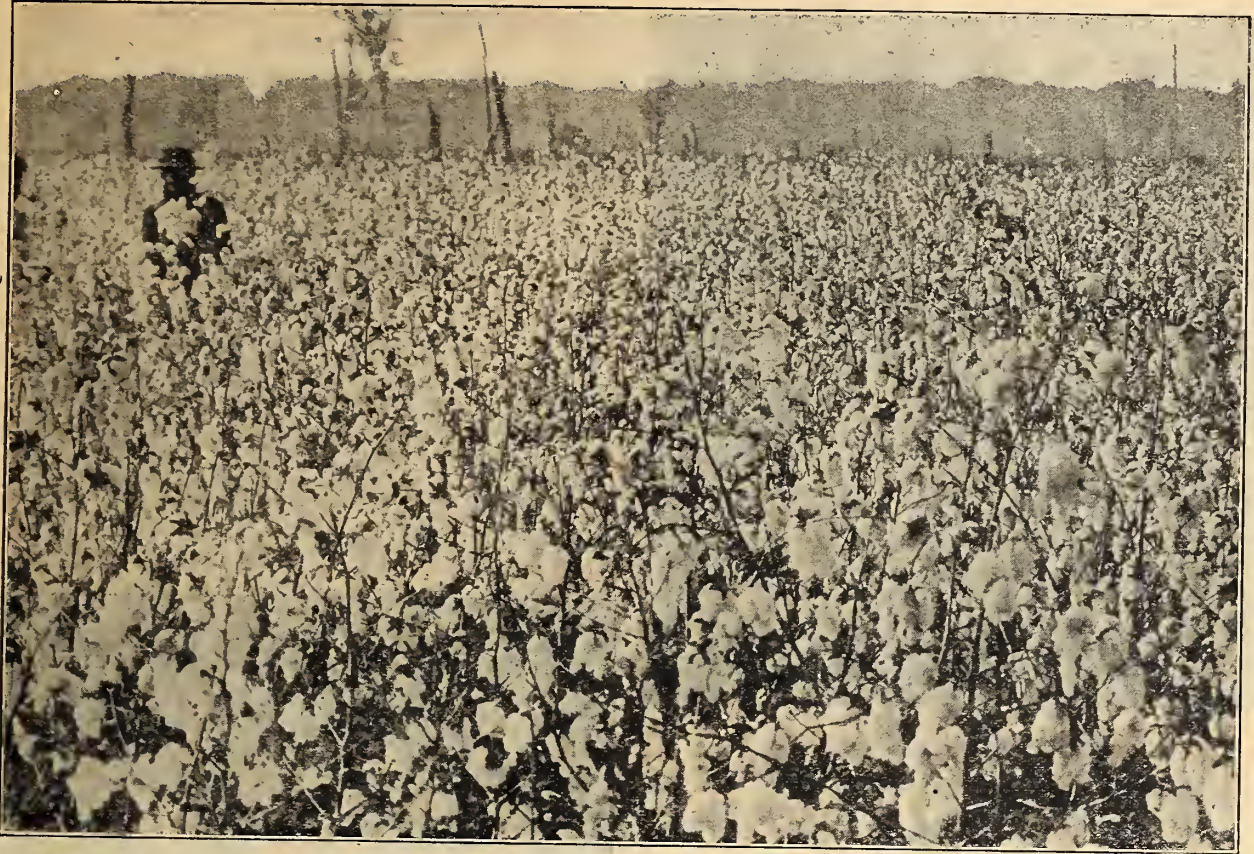
Now, as to comparative cost of preparation of transplanted cotton and the ordinary method: you would be out some additional money the first year for cold frames, but they are not so expensive and will last for years. The setting out of the transplanted plants is some extra expense also, BUT after that there is not the usual "chopping out," and no hoeing of grass, as a riding cultivator run both ways across the field does all the work necessary at a third of the cost of chopping and hoeing grass.

On the whole, the cost of raising the transplanted cotton should not run over a third more than the ordinary method; but, remember the extra bale of lint cotton and half ton of seed per acre obtained by Mr. Hanson with the transplanted cotton. Can you afford to fail to try this out?



Boll Weevil





A 200-Acre Field of Delfos 6102, Averaging a Bale Per Acre. Buy Our Seed and Grow Cotton Like This.

## Delfos 6102

**A Sensational Variety of Cotton Originated by the Delta Branch Experiment Station, Where It Has Been Leading the List of Hundreds of Varieties for the Last Four Years, During Which Time It Has Also Headed the List on Numerous Plantations Under Ordinary "Nigger and Mule" Farming.**

"Be not the first upon whom the new is tried,  
Nor yet the last to lay the old aside."

We believe that it was Alexander Pope who wrote above pungent paragraph, which we have always found mighty sound advice to follow, but more especially in regard to varieties of cotton.

Almost every year there is a long list of new varieties springing up throughout the cotton belt, which are highly advertised by their originators, who make extravagant claims, sometimes conscientiously and sometimes merely for the purpose of selling the seed. The vast majority of these originations are gone and forgotten by the end of the second season. Hence, we have always made it a policy never to advertise and recommend to our customers any variety of cotton until we had seen it grown through a sufficient length of time to prove its worth and stability.

We have been watching Delfos 6102 for several years. Our investigators have seen it growing at the Delta Branch Experiment Station along with hundreds of other varieties, where the contrast was striking, even to a novice. This contrast has been just as great at

the end of the season when the cotton was picked and ginned and converted into dollars and cents per acre. Not only at the Experiment Stations, but on numerous plantations under ordinary "nigger and mule" cotton farming, it has made money, yes, far more money to the acre than any other variety yet known. Last year owners of large plantations who had only ten-acre plots of Delfos-6102 were so well pleased with the results that they guarded the seed like they were so many gold dollars. Delfos-6102 gave the same gratifying results this year, whether in plots of a few acres, or in fields of several hundred acres. In fact, we hardly believe that two hundred acres of finer cotton ever grew than was in a field from which we took the seed which we are now offering our customers. Although right in the heart of the boll weevil infestation, this field averaged a bale to the acre, many acres going far in excess of this amount, without the aid of poison, where fields of other varieties in the same neighborhood would hardly average a third this amount. This, of course, was due to its ability to put on an abundance of bolls early and mature them rapidly.

After having watched Delfos-6102

closely for several years we are thoroughly convinced that it is a variety that stands head and shoulders above anything else of its type.

The plant is very dwarf with long fruiting limbs, very small leaves, extremely light foliage and very few vegetative branches. It is one of the earliest and most rapidly maturing varieties known, opening ahead of many of the short staple varieties, whose earliness is their only virtue. While it could not be classed as a big boll variety, the bolls are larger than other varieties of staple cotton and open wide, making picking easy. The staple is very strong and silky, and much desired by the spinners, length running from 1-3/16 to 1 1/4 in. The "turnout" is unusually high for this length staple, 1600 pounds of seed cotton making a 500 pound bale. This is the average of more than 100 bales. Delfos-6102 is THE cotton for general use and especially desirable for new or delta lands or where fertilizer is liberally applied.

When all its good qualities are summed up, we conscientiously believe the money spent for OUR DELFOS-6102 COTTON SEED will prove the best investment our customers ever made.





Wannamaker Cleveland

## Extra Early Medium Boll Varieties

### Wannamaker Cleveland

This is probably the best known of all the early maturing short cottons on the market today. It is the result of years of breeding work on the part of W. W. Wannamaker & Sons over in the Carolinas, this firm being one of the foremost cotton seed breeders in the South. They took the old Cleveland cotton to begin with, and through "plant to row" breeding methods for several years, produced a strain very much earlier in maturity than the parent plant, which is what they desired, for they wanted a cotton "to beat the boll weevil." The cotton has not quite so big a boll as the original Cleveland, nor quite so long a staple; however, it classes as a big boll type and staple runs from 1 inch to 1-1/16 in length. It combines the three most desirable characteristics in a cotton for boll weevil conditions and elsewhere—extreme earliness of maturity, extra large lint-out-turn at gin, and prolific yield in the field. It comes nearer thriving under any and all conditions than any other variety we know of, and is recommended by the different Experiment Stations for both hill and valley lands. Seeds are straight, brownish color, bolls are large, plants uniform, foliage medium, lint percentage 39, staple 1 to 1-1/16 inches. Yields of two bales per acre have been made in many cases with Pedigreed Wannamaker-Cleveland.

### King's Early Improved

It is true that this is a very short cotton, but it is not objectionable like Half and Half, and when you remember that it is just about the earliest cotton grown, you can see why it is deservedly popular. Many and many a time King Cotton has pulled farmers "out of the hole" when they had to replant their crop, where they would have failed with a later variety. A very prolific variety, medium size boll, and very prolific yielder; lint out-turn 36 per cent.

### Simpkin's Prolific

Practically the same as King's Early Improved in every respect.

### Cleveland Big Boll

This is the variety from which the famous Wannamaker-Cleveland was developed. It has bigger bolls than Wannamaker, and pulls longer staple, about 1-1/16 inches full, and for that reason is better liked in some sections. Big boll type, heavy fruiter in the field and big out-turn at the gin, 37 per cent. Another good "bender" cotton, bringing good premium every year over shorter cottons.

## Extra Early Big Boll Varieties

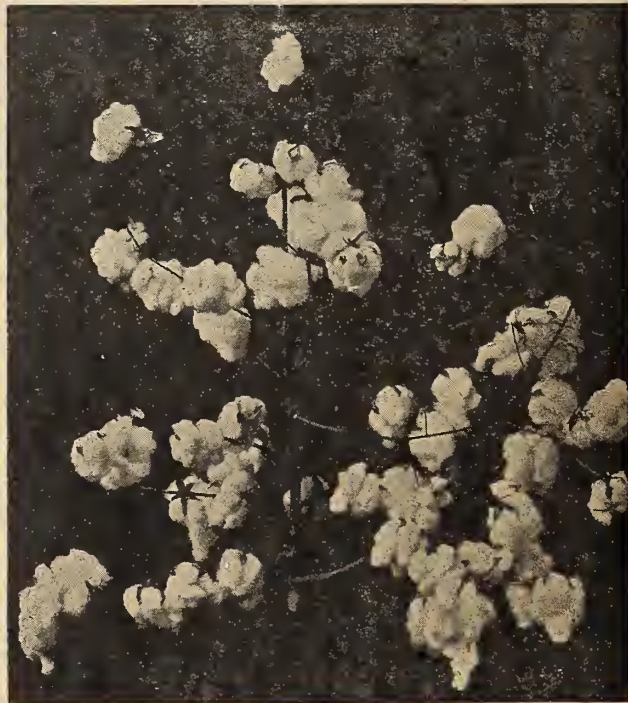
### Mebane Early Triumph

For several years there has been an increasing demand for a tough-fibre-cotton of medium staple; something between the ordinary short varieties and long staples. Mebane Triumph is ideal in this respect; pulls from 1-1/16 to 1 1/4 inches, has a strong, tough fibre, storm-proof and makes a good "bender" cotton, bringing good premium in price. Extra large boll, easy to pick, drought resistant, lint out-turn at gin 37 to 39 per cent, and one of the earliest of the extra big boll cottons.

## Extra Early Big Boll Varieties

### Acala No. 5 Cotton Seed

This cotton has reached a high state of development. It combines the good qualities of several of our best known varieties, with none of their faults. Extra earliness is necessary in any cotton where the boll weevil is present. Acala No. 5 is extra early, earlier than Wannamaker-Cleveland. It has a staple usually of 1 1/4 inches or more, equal to the famous Express, but in addition its "out-turn" at the gin is 36 to 40 per cent, which is remarkable for that length of staple or for any staple. The boll is almost as large as the Mebane Triumph, absolutely storm proof, yet is easy to pick; foliage light to medium, allowing the sunlight to reach all the branches and mature all bolls.



Acala No. 5 Cotton

The United States Department of Agriculture has issued a bulletin on this wonderful variety and among other things they state, "it meets a distinct agricultural need in maturing somewhat earlier than Lone Star or other big boll cottons. On this account it promises to be rapidly extended in cultivation in parts of northern Texas, Oklahoma and Arkansas. Its earliness in these sections makes it especially adapted to the bottom lands, where cotton tends to grow rank and be late in maturing, and on the more northern highlands where frost shortens the growing season. It is particularly noted also for a good drag and the extra strength of its fibre."

A cotton buyer in Arkansas reports that Acala No. 5 cotton brought as high as \$32.00 per bale above ordinary short cotton on his market. Think of it! and then remember that Acala No. 5 makes as much or more cotton in the field and a bigger out-turn at the gin than the ordinary cotton.

The boll weevil has practically covered the South, making an extra early cotton a necessity. We will have the weevils again this year. Play the game safe and plant some of this remarkable cotton.



## Extra Early Medium Staple

### Express 350

This strain is unquestionably far superior to the original Express Cotton, which was a splendid variety to begin with. Express-350 has a staple of 1 1/4 to 1 3/16 inches, yet it matures as early as the earliest short cottons. It is true that the lint out-turn at the gin is smaller, but the big yield it makes in the field, combined with the big premium in price you get for the lint, makes Express-350 pay big money to the farmer. We do not recommend it for poor hill soils, but on good soil, and on the rich bottom lands of the Delta particularly, Express-350 has won a place second to none in popularity. In the fall of 1922, Express-350 brought a premium of \$35.00 per bale over short cotton.

## Early Maturing Long Staples

### Deltatype Webber

This was originated by the Pedigreed Seed Company in Carolina, and is one of the most profitable extra long staple cottons; lint from 1 1/4 to 1 3/4 inches under favorable conditions, and yet it matures as early as a great many short cottons. Bolls are large, averaging 61 to the pound, making picking easy, unusual in a cotton that long. The lint out-turn runs from 32 to 33 per cent; the lint is fine, silky and very strong. The originator says: "It is one of the highest yielding, most generally satisfactory varieties we have ever grown, especially adapted for cultivation under boll weevil conditions." Splendid yields and big prices have been reported to us by growers.

### Webber No. 49

Unquestionably this has proven to be the best of the early maturing long staples yet produced, and some of the large Delta planters have become rich through growing

this variety. It has a staple pull of 1 1/4 to 1 5/16 inches, a yield in the field equal to short cottons and a lint out-turn at the gin of about 33 per cent, which equals most short cottons. It has a large boll that is easy to pick, yet its storm-proof qualities are excellent. Remember, it has taken nineteen years of cumulative breeding work on the part of the scientists engaged in this work, now operating under the name of the Pedigreed Seed Company, to bring this and other types up to their present state of perfection.

### PRICES

On account of catalog going to press before market has been established on all field seeds, we are unable to quote quantity prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

### OTHER VARIETIES

We have listed and described the most popular standard varieties only in our catalog. There are, of course, many other varieties on the market, some with different characteristics, some with merely different names. If you don't see the varieties you want listed, write us its name and we can get it for you always.

### NOTICE, CARLOAD BUYERS

Whenever you are in the market for a carload of any variety, telephone or telegraph us for prices delivered to your city. We are the largest carload shippers of pedigreed planting cotton seed anywhere in our territory.



Express 350  
Count the Bolls

## Cotton Variety Test Delta Branch, Experiment Station, Stoneville, Miss., 1921.

While figures for 1922 are not yet published (November, 1922), Delfos 6102 will again head the list.

STRAIN	Lbs. Lint Acre		Value per Acre of Seed and Lint				Length Lint Inches	Per Cent Lint	No. Bolls per Lb.
	August 27	Total Yield	Aug. 27		Total Yield				
			Dollars	Rank	Dollars	Rank			
(1) Delfos 698 .....	376.2	522.0	136.28	3	189.10	5	1 3-16	31.8	73
(1) Delfos 6102 .....	435.9	600.4	149.89	1	206.46	1	1 5-32	31.0	73
(1) Delfos 817 .....	274.5	495.0	99.28	19	179.03	8	1 3-16	32.1	72
Delfos-Express 81 .....	233.2	429.7	86.75	22	159.84	14	1 3-16	27.5	71
Delfos-King 81 .....	304.9	476.1	117.43	7	183.66	6	1 7-32	30.1	78
(1) Delfos 631 .....	296.0	510.5	114.06	11	196.72	3	1 7-32	30.3	64
Lone Star 48-70 .....	304.7	481.2	99.96	18	156.86	17	1 1-8	29.1	68
(2) Sunpress .....	326.4	447.0	149.28	2	204.43	2	1 3-8	25.6	76
(2) Sunpress 85 .....	240.7	396.8	93.18	20	153.61	21	1 7-32	29.5	73
Trice-Triumph 82 .....	313.9	515.6	100.61	17	165.27	11	1 1-8	32.7	68
Express 433-81 .....	322.6	464.0	113.47	12	163.21	12	1 5-32	27.6	71
Express 433-822 .....	282.3	447.1	115.08	9	182.26	7	1 1-4	25.5	66
Express 433 .....	320.8	459.0	119.17	6	170.51	10	1 3-16	27.7	79
Express 412-79 .....	316.5	471.2	127.24	4	189.43	4	1 1-4	27.5	72
Express 621 .....	329.5	453.6	114.99	10	158.30	16	1 5-32	28.7	71
Express 350-718 .....	323.0	440.0	113.45	13	154.82	19	1 5-32	27.8	74
Express 350 .....	310.4	404.2	109.42	15	142.50	22	1 5-32	27.3	75
Express 350-630 .....	325.9	443.1	113.43	14	154.22	20	1 5-32	29.1	73
Express 432-782 .....	337.3	489.7	123.09	5	178.70	9	1 3-16	30.5	70
Express 432 .....	338.7	472.1	116.30	8	162.15	13	1 5-32	31.2	78
Express 432-812 .....	316.9	462.4	109.11	16	159.20	15	1 5-32	30.8	75

- (1) Bred from Foster at the Delta Station.
- (2) A cross between Sunflower and Express.



## R. H. Co.'s. Seed Corn

We make a specialty of the best Seed Corn, and our immense volume of business enables us to supply the best stocks at prices that are very reasonable, indeed. As a bushel of corn will plant six to eight acres, there is no excuse for any farmer planting anything but the very best.

Our men have made a study of corn growing. They know good corn when they see it and they know how to select only the best. For general field crops we urgently recommend our Southern grown varieties, however, for a quick maturing crop we are prepared to furnish the best of the Northern varieties. Whatever variety you may select, you may be assured that you can depend on getting the best seed from us.

Plant in April and up to July 15th; 4 to 6 quarts will plant one acre; rows should be 4 feet apart; plant 2 to 3 grains 2 feet apart in the row, thin to one stalk. Cultivate shallow. Use 300 lbs. Armour's Acid Phosphate and 300 lbs. Pulverized Sheep Manure to an acre.

All quotations are subject to important market changes. Special prices quoted on large amounts.

### BOONE COUNTY WHITE (120 days)

A large eared variety. Is especially adapted to Southern States. Requires from 100 to 120 days to mature. The ears are of large size, well proportioned, well rounded at butt and tip. **Qt., 30c; gal., 80c; parcel post paid. Not prepaid, Qt., 20c; gal., 55c; peck, \$1.00.**

### IOWA SILVER MINE (100 days)—

The stalks grow to a height of 7 to 8 feet and set the ears about  $3\frac{1}{2}$  to 4 feet from the ground. The ears measure from 10 to 12 inches in length. They are very uniform in size and shape, 16 to 20 straight rows of deep, pure white kernels on a small cob. It is the heaviest yielder we know, having yielded over 100 bushels to the acre. Seventy pounds of ears will make 62 pounds of corn. It is entirely distinct and will give satisfaction. **Qt., 30c; gal., 80c; parcel post paid. Not prepaid, Qt., 25c; gal., 55c; peck, \$1.00.**

### ELAM'S EARLY CROPPER (90 days)

—An early White Dent, coming in almost as early as the Adams Early, but much larger; sample ears have been shown us 10 inches in length and 3 inches in diameter. For stock feeding it is very valuable; coming in as it does when all fodder is short, it fills a breach which all stock feeders can appreciate. Again, it is a corn that has made itself before the hot, dry weather and when other field varieties make their growth. **Qt., 50c; gal., \$1.00; parcel post paid. Not prepaid, qt., 40c; gal., 75c; peck, \$1.25.**

**SNOW FLAKE**—Large size, very early; a fine corn for early roasting ears; also makes an excellent field variety, as it matures in 80 to 85 days. **Qt., 30c; gal., 85c; parcel post paid. Not prepaid: Qt., 20c; gal., 60c; peck, \$1.00.**

### TAIT'S EARLY WHITE DENT (90 days)

—The stalk is short and thick. The ears grow long on the stalk, from 7 to 9 inches in length, almost parallel throughout, of medium size, averaging 14 rows of grains. The grains are pure white, compact and heavy. The cob small. **Qt., 35c; gal., 90c; parcel post paid. Not prepaid, Qt., 25c; gal., 65c; peck, \$1.10.**

**RUSSELL-HECKLE'S EARLY WHITE DENT**—One of the earliest. Planted on or about March 20, it will be ready to gather by July 1. **Qt., 30c; gal., 75c; parcel post paid. Not prepaid, qt., 20c; gal., 50c; peck, 90c.**

**HICKORY KING (110 days)**—This is an entirely distinct variety among the white corns, combining the largest grain with the smallest cob. A single grain will completely cover the cob of an ear broken in half. It yields good crops on light soils and is one of the most productive and profitable white varieties for planting in the South. other variety. **Qt., 35c; gal., 90c; parcel post paid. Not prepaid, Qt., 25c; gal., 65c; peck, \$1.10.**

### IN YOUR HOME GARDEN

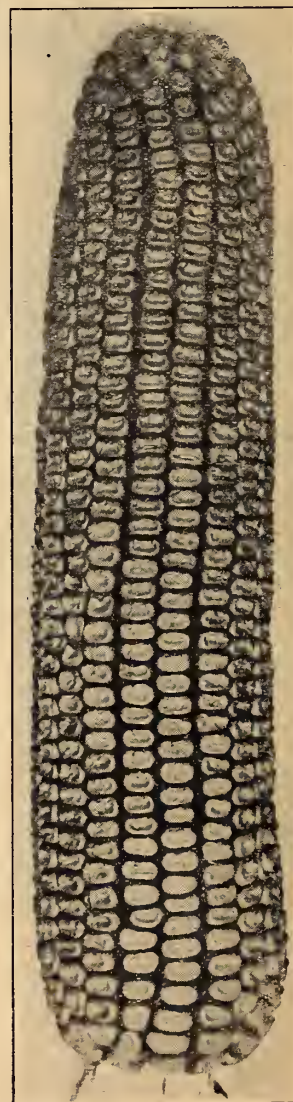
"Dig deep, manure well, work often." Thus Pliny the Elder, nearly 2,000 years ago, summed up gardening. His advice is good today.

Enthusiasm must be backed by solid purpose—enough of it to surmount obstacles and survive disappointments.

The best insurance against accidents in gardening is knowing how to garden.

### 1923 Calendars

On receipt of five names of people in your community, who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1923 CALENDARS, which is very complete in every detail.

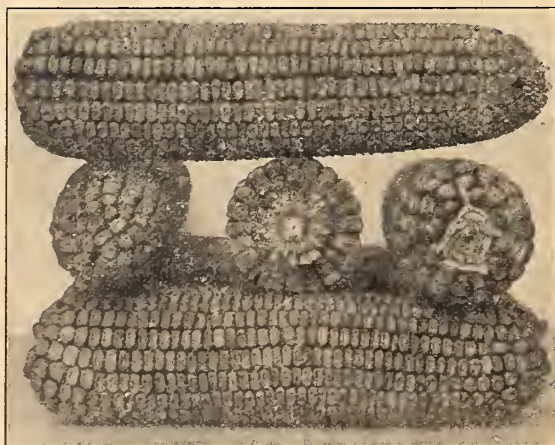


Tait's Early White Dent

### Burpee's Sweet Peas

#### NOVELTIES FOR 1923—NEW SPENCER VARIETIES JUST INTRODUCED

Burpee's Lilac Pink, Pale Lilac Pink, pkt. 20 seed.....	\$ .25
Burpee's Fordhook Orange, Deep Bright Orange, pkt. 20 seed .....	.25
Burpee's Honor Bright, Cream, Pink, pkt. 20 seed.....	.25
Burpee's Scarlet Duplex, Double Scarlet, pkt. 30 seed .....	.20
Burpee's Sunset, Soft Rich Rose, pkt. 30 seed.....	.20
Burpee's Florodale Purple, Rich Purple, pkt. 30 seed .....	.20
Burpee's Giant White, Large Clear White, pkt. 30 seed .....	.20
Above seven varieties sent parcel post paid for \$1.25.	



Elam's Early Market



## St. Charles White, Red Cob (100 Days)

A large medium late, tall-growing variety, producing an abundance of fodder. The ears are very large, both in length and circumference. The grains are long, broad, deep and firmly set in a medium large red cob. **Qt., 30c; gal., 75c; parcel post paid. Not prepaid: Qt., 20c; gal., 50c; peck, 90c.**

## Cocke's Prolific

This variety holds the highest record, and will in the near future break its own—50, 75 and 100 bushels per acre. This small corn has two to five perfectly formed ears with a peculiar droop so dear to scientific corn growers. It has a low, stout stalk, medium early, medium-sized ears, pearl white grain in straight rows. The weevil bothers this variety very little on account of the hardness of the grain, which is of good size, short, flat and almost round; very flinty. This corn is evenly lined on a white cob of good size, often attaining the length of 10 inches. Matures in 140 days. Unexcelled for meal and hominy. **Qt., 35c; gal., 95c; parcel post paid. Not prepaid: Qt., 25c; gal., 70c; peck, \$1.25.**

## Mosby's Prolific (120 Days)

The most prolific corn in existence; the stalks are tall, bearing 3 to 5 fine ears. The grains are long, set close to a small cob, very uniform in shape, well filled. It has good roots and will withstand storms better than any other prolific sort. Another important feature of this fine corn is its abundant foliage, which renders it superior to most sorts for ensilage purposes. This is a Southern corn, and is recommended for general crop. It is purely white, small cob, deep full grain, neither too hard nor too soft, and stands crowding in the drill as close again as any other kind. Ears of medium size. **Qt., 35c; gal., 85c; parcel post paid. Not prepaid: Qt., 25c; gal., 60c; peck, \$1.00.**

## North Carolina (120 Days)

Our grower of this variety of corn lives in Shelby County, Tennessee; has grown no other corn for years. He has bred this corn to a medium stalk, producing 4 to 6 ears. This corn will stand in the field after maturing through rain, storms and snow, and deteriorates less than any variety of corn grown today. While this variety has always been considered one of the best upland corns, we have many Delta planters who plant North Carolina year after year on bottom land, and tell us that they can leave it in the field until after Christmas and gather corn, every ear being sound. A beautiful white prolific corn, well adapted to both field and table purposes, just flinty enough for milling the most beautiful meal. Some of the largest yields of corn ever made in the South have been made with this prolific corn. **Qt., 35c; gal., 85c; parcel post paid. Not prepaid: Qt., 25c; gal., 60c; peck, \$1.00.**

## Neal's Paymaster

This corn was originated in Williamson County, Tennessee. The grains are pure white, deep, broad and set very solid on a red cob of medium size. The stalks grow from 8 to 10 feet high. The ears are very uniform in size and shape, running from 9 to 12 inches in length, containing 16 to 20 rows, and averaging in weight from 1 pound to 1 1/4 pounds. This is a highly bred

### Cocke's Prolific

corn, containing a high percentage of protein. Maturing about medium, it is well filled at both butts and tip. Every stalk bears two well-developed ears. **Qt., 35c; gal., 85c; parcel post paid. Not prepaid: Qt., 25c; gal., 60c; peck, \$1.00.**

## Hasting's Prolific

Similar to North Carolina Prolific; pure white ears, always sound and produce two to four ears on a stalk. **Qt., 35c; gal., 90c; parcel post paid. Not prepaid: Qt., 25c; gal., 65c; peck, \$1.15.**

## Tennessee Red Cob, White

A large, white, red cob corn. Ears are medium size, 16 to 18-rowed; grains are very large, deep, wide and thick. Matures in 100 to 110 days. This corn makes fine meal. **Qt., 35c; gal., 85c; parcel post paid. Not prepaid: Qt., 25c; gal., 60c; peck, \$1.00.**

## Russell-Heckle's Gourd Seed Red Cob

This is our own growing, a special stock; the pure white grains are narrow and nearly gourd seeds, and are set on a very small red cob; stalks produce two and three ears. They will average two ears all over the field. It is a big improvement over all other kinds of White Red Cob Corns, having a small cob with long firm grains that are always sound and plump. Stalks medium, strong and stocky. This special stock is a genuine thoroughbred and you will be delighted with your yield and crop. It will mature in about 100 days. We have taken extra pains in selecting and hand shelling this splendid variety. This corn is a beauty; don't miss it. **Qt., 40c; gal., \$1.00; parcel post paid. Not prepaid: Qt., 30c; gal., 75c; peck, \$1.25.**



Neal's Paymaster



## Field Corn

### Mexican June

This dependable variety, largely planted late in the spring throughout the entire Cotton Belt, originally came from Mexico. It is largely used for planting after oats and wheat. We do not advise sowing before May 1st if grain is wanted, and can be planted as late as August 15th with good results. The stalks are usually short, although early plantings make stalks 12 to 15 feet high, leaves four to six feet long. The roots run deep and spread, so that it is a splendid drouth resister. Ears 8 to 9 inches long, grains short to medium, cobs medium in size, and while usually white, occasionally you'll find a red cob and a few blue grains. This apparent mixture of color is peculiar to many varieties of Mexican corn. Mighty fine for "roasting ears" for use right up to frost. **Qt., 35c; gal., 80c; parcel post paid. Not prepaid, Qt., 25c; gal., 55c; peck, \$1.00.**

### Red Cob White Ensilage

The best known silage maker. Grows tall with an abundance of fodder and averages two good ears on good ground. If you have a silo to fill, don't try common seed on poor soil. Plant a small acreage of Eureka and make it rich. Seed for this season limited. Place your order early; can be planted in June or after oats. **Qt., 35c; gal., 75c; parcel post paid. Not prepaid, Qt., 25c; gal., 50c; peck, 90c.**

### Reid's Early Yellow Dent

This is a leading standard yellow variety, originated in Illinois many years ago, and is a type that experts have failed to change for the better. In our opinion this is the most popular variety of yellow corn grown in the United States. We offer fine stock of this leading standard variety, which is among the best all around purpose Yellow Dent Corn grown. Color deep yellow, with lighter cap. Grain very deep, closely packed; butts and tips almost entirely covered over. The leaves and stalks of Reid's Yellow Dent make fine ensilage and fodder. Well adapted for our Southern country. Matures in 90 days. **Qt., 30c; gal., 75c; parcel post paid. Not prepaid, Qt., 20c; gal., 50c; peck, 80c.**

### Iowa Gold Mine

Large ears; grains are a bright golden yellow; matures in about 100 days. **Qt., 30c; gal., 70c; parcel post paid. Not prepaid, Qt., 20c; gal., 50c; peck, 80c.**

### Yellow Leaming

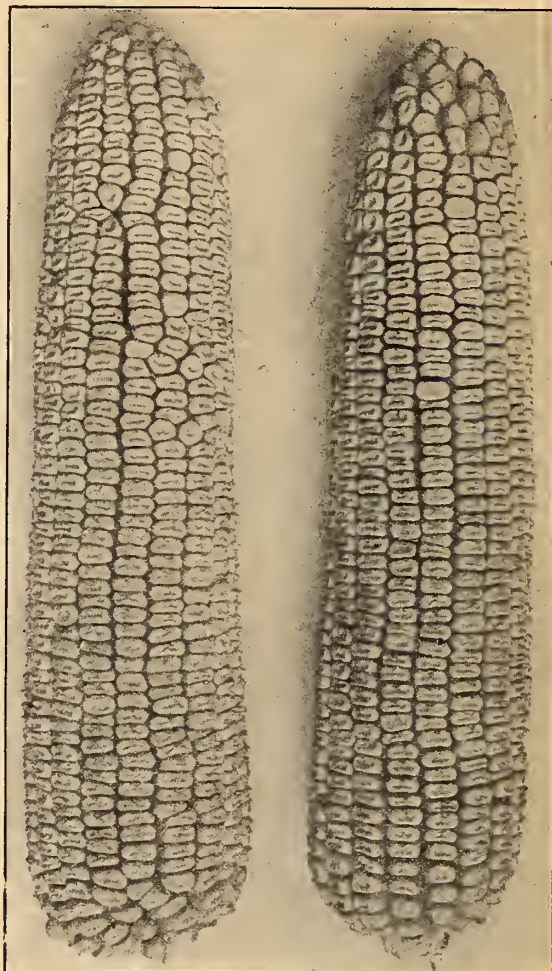
A very early growing corn; matures in about 90 days; always dries out quickly, therefore a desirable variety for early crop. **Qt., 30c; gal., 70c; parcel post paid. Not prepaid: Qt., 20c; gal., 50c; peck, 80c.**

### R.-H. Co's. 90-Day Early Yellow Dent

A standard variety; quick maturing. **Qt., 30c; gal., 70c; parcel post paid. Not prepaid, Qt., 20c; gal., 50c; peck, 80c.**

### Mammoth Tennessee Yellow Dent (110 Days)

The ears are of perfect shape, with from 10 to 14 straight rows of bright golden yellow grains, remarkable in size and filled out completely to the extreme end of the cob. The richness of color and fine quality of grain make it vastly superior for grinding into meal. The grains are not of a hard flinty nature, neither are they so soft as to be greatly shriveled. The ears are easily shelled, although the kernels are firm in the ear and in every respect as perfect a type as could possibly be had. **Qt., 35c; gal., 90c; parcel post paid. Not prepaid, Qt., 25c; gal., 65c; peck, \$1.10.**



Reid's Early Yellow Dent

## Pop Corn

### White Rice

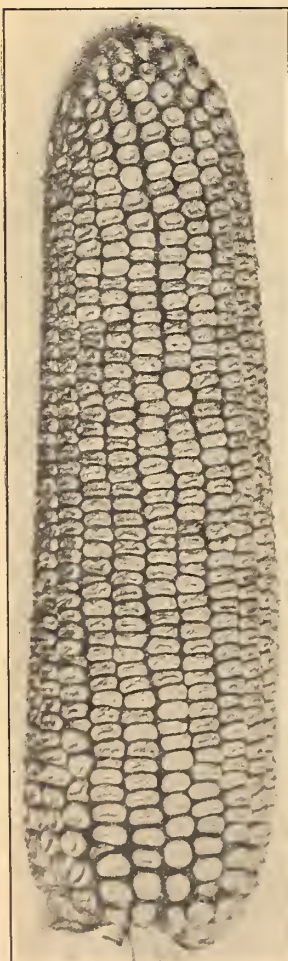
Very easily popped, tender and white; the best for the market. **Pkt., 10c; lb., 25c; 10 lb., \$2.00; parcel post paid.**

### Queen's Golden

A beautiful golden color; pops large, very crisp. **Pkt., 15c; lb., 25c; parcel post paid.**

### Japanese Rice

A great many people like to grow pop corn, but there is so much difference in the popping qualities of the various varieties that one hesitates to offer anything in this line unless it has real merit. In this variety we have a dwarf growing corn, a heavy yielder of attractive ears, peculiar in form, but the grain is very similar to the best strain of White Rice Pop Corn. The ears are short and thick, and run very uniform. Of a pearly white and the grain is of excellent popping quality and flavor after being popped. **Pkt., 10c; lb., 35c; 10 lb., \$2.50; parcel post paid.**



Mexican June





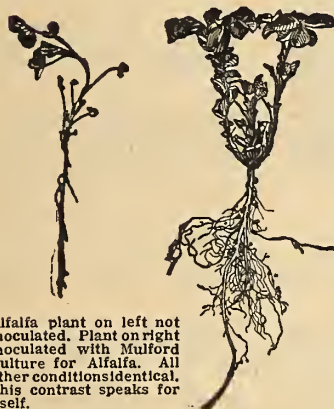
Inoculate Your  
Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches  
and  
Other Legume Crops  
WITH  
**Mulford Cultures**  
FOR LEGUMES

Small Cost    Large Returns    Easy to Use    No Labor Expense



Mulford Cultures contain pure, tested strains of active, vigorous nitrogen-fixing bacteria, for inoculating seeds of legumes or soil. Enormous numbers of these very valuable and desirable bacteria are thus available to you in every package of Mulford Culture and may readily be applied to your seed. The sealed bottle insures purity.

## Increase Your Crops—Improve Your Soil



Alfalfa plant on left not inoculated. Plant on right inoculated with Mulford Culture for Alfalfa. All other conditions identical. This contrast speaks for itself.

Legumes Offer the Best Known Means of maintaining soil fertility and rejuvenating over-cropped and worn-out fields. They add both humus and nitrogen to your soil and thus increase your yield of wheat, cotton, corn and other non-legume crops.

### FREE DESCRIPTIVE FOLDER SENT UPON REQUEST

Always specify on your order what crop you want to inoculate, as there is a different strain of bacteria for each legume.

ALFALFA  
CRIMSON CLOVER  
WHITE CLOVER  
RED CLOVER  
ALSIKE CLOVER  
LESPEDeza

COW PEAS  
SOY BEANS  
VETCH  
SWEET PEAS  
GARDEN PEAS  
GARDEN BEANS

MULFORD CULTURES are supplies for the varieties of legumes listed, at the following prices:

5-Acre Size.....	\$5.00; parcel post paid
1-Acre Size.....	1.50; parcel post paid
1/4-Acre Size.....	.75; parcel post paid

Small Size (Supplied only in 4 varieties, for Garden Peas, Garden Beans, Lima Beans and Sweet Peas)..... .35; parcel post paid



## Use It For Increasing Your Crops and For Improving Your Land

### For Growing Bigger Crops

#### TREAT THESE SEEDS WITH FARMOGERM

All of these seeds make a stronger growth and will add more nitrogen to the soil if they are inoculated with Farmogerm. Their cultures are all different; in ordering be sure to state what crop you wish to inoculate.

Alfalfa    Burr Clover    Soy Beans  
Red Clover    Sweet Clover    Vetch (Spring  
Crimson Clover    Japan Clover    and Winter)  
Alsiike Clover    Cow Peas    Peanuts  
White Clover    Velvet Beans    Lespedeza

All of our cultures are one uniform price:

12-acre size bottle.....	\$9.00
3-acre size bottle.....	2.50
1-acre size bottle.....	1.00
No. 5 for Garden Peas, Garden Beans and Sweet Peas .....	.50

The No. 5 composite mixture is prepared especially for the home garden, 1/4-acre size. 50c each.

Above prices are all parcel post paid.

#### FARMOGERM

is a pure culture or growth of nitrogen-fixing bacteria that have been selected and bred up to transform large amounts of nitrogen from the air into soluble nitrates. These bacteria are grown in a jelly or feed, in which they remain active for long periods of time, and are sent out in a bottle which admits the necessary supply of pure air, yet keeps out destructive contamination.

Seeds of all legumes—clover, alfalfa, vetch, all peas, beans and related crops—will yield far better if inoculated with Farmogerm, and in addition leave in the soil a heavy deposit of nitrogen which benefits all succeeding crops. Farmers and gardeners who have used it would not be without it.

Roots Like These Mean Bigger Crops and Better Soil





## Russell-Heckle's Farm Seeds



R.-H. Co.'s Dakota No. 12 Alfalfa

### Selected with Care

We believe that few seedsmen give as close attention as we do to the quality of the farm seeds they handle. So much depends on the seed the farmer plants that it should be the aim of every seedsmen to furnish the **BEST FARM**

#### SEEDS THAT CAN BE PRODUCED.

The prices quoted on all farm seeds are based on market values at the time of going to press. Values may advance or decline, according to market. We are often able to make material reduction during Winter and Spring to purchasers in large lots. We invite correspondence.

### Alfalfa

Three things are necessary in growing Alfalfa: First, sweet soil—that is, soil free from acid. Sour soils can be made sweet by the application of Lime. Second, the soil must be well drained. Soil which has been planted to corn or some other hoed crop for at least two years is necessary for Alfalfa. It should be thoroughly plowed and then harrowed at intervals of 2 or 3 weeks or as often as a crop of weeds appear.

Be sure to inoculate the seed with either Mulford culture or Farmogerm.

The seed may be sown broadcast or in drills and covered one inch. If sown broadcast, use 20 to 25 pounds of seed per acre. Sowings made in the Spring, March and April, or in the fall, September and October, are successful.

**FERTILIZING**—Use 1,000 pounds of ground limestone, 200 pounds of Bone Meal and 200 pounds of Pulverized Sheep Manure, broadcast, to each acre. Applying a coat of well-rotted stable manure will be beneficial. If you have tried Alfalfa, and it died out, it was on account of need of these fertilizers. On old Alfalfa meadows use 400 pounds of Pulverized Sheep Manure to the acre, broadcast. It stimulates it wonderfully.

When buying Alfalfa you want the best and purest seed obtainable. Cheap grades are apt to be adulterated with Yellow Trefoil, Burr Clover, Dodder, etc. We have several varieties of the very best, cleanest grade seed that is grown.

**R.-H. CO.'S TOP NOTCH ALFALFA**—This represents our idea of real quality and genuine worth in Alfalfa—something to meet all requirements of our most discriminating customers. **Lb., 35c; parcel post paid.**

**R.-H. CO.'S DAKOTA NO. 12 ALFALFA**—This variety is the result of years of careful breeding and represents the highest type of Alfalfa. Dakota produces exceptionally hardy Alfalfa, practically immune to Winter killing. Stands drought and heat as well. Highly recommended by Mississippi Experiment Station at Stoneville. Our seed is the genuine Dakota No. 12 stock. **Lb., 45c; parcel post paid.**

**HAIRY PERUVIAN ALFALFA**—A very remarkable type, being extremely hardy and stays green longer than any other kinds for the fact that it takes on a slight fuzz in the winter which protects the plant. On account of its hardiness, it has a longer season, therefore, produces more hay to the acre than any other Alfalfa. Sown in the spring or fall broadcast, 20 lbs. to the acre. Price: **1 lb., 50c; parcel post paid.**

**GRIMM ALFALFA**—It has been found that the Grimm Alfalfa has proven itself hardier and a better variety for many sections. Having the branching root system, while most all types have the single tap-root, consequently will stand all variation of temperature much better. **Lb., 60c; parcel post paid.**

**R.-H. CO.'S TOP NOTCH RED CLOVER**—This is the common Red Clover so popular everywhere—the farmer's friend, the soil restorer, the bountiful feed plant. Our Top Notch brand is strictly fancy re-cleaned and will give perfect satisfaction. Sow 10 pounds to the acre. **Lb., 40c; parcel post paid.**

**MAMMOTH SAPLING CLOVER**—Very much like the common Red Clover, but larger, heavier and later. Recommended for thin soils. Sow 10 or 12 pounds to the acre. **Lb., 40c; parcel post paid.**

**R.-H. CO.'S TOP NOTCH ALSIKE CLOVER**—Is apparently the only Clover that will thrive on acid soil. It grows about 2 or 3 feet high. The stems are thinner than those of Red Clover, the leaves are numerous, making hay of a finer texture. The feeding value of the hay fairly equals that of Alfalfa.

This Clover prefers damp, moist, loamy soil, but grows fairly well on stiff clays. It is often mixed with Red Top as a permanent pasture for damp soils. Sow in March or April, 8 to 10 pounds per acre. Price: **Lb., 40c; parcel post paid.**

**WHITE DUTCH CLOVER**—Excellent for pasture or lawns. Sow any time in early spring or fall months, 5 to 6 pounds per acre. **Lb., 60c; parcel post paid.**

**CRIMSON CLOVER**—Makes excellent green foliage, or if cut when in bloom will make good hay. Especially valuable for improving the soil, making a quick, heavy and very valuable crop for plowing under. Sow 15 pounds to the acre from July to November. **Lb., 45c; parcel post paid.**

**SPOTTED BURR CLOVER**—Sown in August and September. Makes superior pasturage, fair hay, and grows on any thin land, and if turned under the following spring acts as a splendid fertilizer. Sow 20 pounds of burrs to the acre. Ask price in July.

### PRICES

Account catalog going to press before spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.



R.-H. CO.'S RED CLOVER



## Lespedeza or Japan Clover

Japan Clover is a most valuable crop throughout the Middle and Southern States. It grows rapidly practically anywhere. Once started it soon spreads and makes a steady growth of the finest and most nutritious pasture, much relished by all stock. On stony hillsides or waste lands it will grow well, also on low or wet lands. Will stand more shade than any other forage crop we know.

It is a great crop and the wise planter will sow some no matter what the price. It should be planted at the rate of one bushel to the acre, during February and March, or even as late as April and into May. Sow it broadcast on growing grain, if you like. If sown on sod, the land should first be scarified with a disc harrow in order to give the seed a good seed bed. It thrives on very poor soils and continually improves them, at the same time yielding a highly profitable and nutritious forage. It will yield as high as two tons to the acre and frequently more. Many customers broadcast Lespedeza in February and March on both wheat and Fall sown oats. Our Lespedeza seed is all re-cleaned. **Lb., 35c; parcel post paid.**



Sweet Clover, or Melilotus

## Sweet Clover or Melilotus

Sweet Clover is valuable because of its ability to grow and thrive on the poorest and most barren places. It will not only thrive on soils that are too poor for any other crop, but will improve the soil it is growing on. It makes good hay and good pasture, although cattle do not always take to it at first.

Its ability to improve the soil, together with its ability to thrive on very poor soils, makes it especially valuable as a pioneer crop on poor, run down, badly washed fields.

The seed can be sown either in the Fall or Spring. 25 pounds of the unhulled seed planted to the acre.

**Unhulled Seed, 1 lb., 35c; parcel post paid.**

**MULFORD CULTURES**—We recommend and sell Mulford Cultures for legumes to inoculate your Alfalfa, Clovers, Cow Peas, Soy Beans, Vetches and all other legume crops. Small cost; large returns; easy to use; no labor expense.

Prices: Mulford Cultures are supplied for the varieties of legumes listed at the following prices: 5-acre size ("A Dollar per acre"), \$5.00; 1-acre size, \$1.50; garden size, (¼ acre), 75c.

## Hubam

### THE FAMOUS NEW ANNUAL WHITE SWEET CLOVER

Hubam is a legume crop, gathering nitrogen from the air and storing it in the soil, and greatly increasing the soil fertility. The old sweet clover is a biennial and rather slow to get its growth. Hubam is an annual and produces more grazing and more hay in one year than the biennial sweet clover does in two seasons. It will make two cuttings of high quality hay in one season.

Sow Hubam as early as possible in the Spring, just as soon as the ground can be worked, drilling in rows eighteen inches apart, covering only about half inch. You can get by on as little as four pounds of seed per acre, but as seed gets cheaper about twelve pounds per acre would be better.

It can be sown on top of snow to good advantage broadcast, 12 pounds to an acre.

Hubam makes the finest kind of pasture; all stock like it. Splendid hay is produced, ready to cut, about ninety days after seeding. It is not coarse, especially when seeded close.

Hubam will grow as high as seven feet if allowed to, making a luxuriant plant loaded from top to bottom with blooms and seed. Think of it.

Plant a small acreage in Hubam, the wonder clover, by all means. Price: **Per single pound, 75c; parcel post paid.**

Legume Inoculation  
**HUMOGERM**

## A Seed and Soil Inoculant

### That Increases Crop Production and Greatly Improves the Soil

Crop and soil experts agree that for best growth, and to put atmospheric nitrogen in the soil, it will pay all farmers to inoculate all legumes, even where they are at present successfully grown. The cost is trivial when compared with the profit it will bring you. Legumes are clovers, peas and beans, alfalfa, soy beans, vetches, and other plants that grow their seeds in a pod. Their roots are the home of bacteria that draw fertility-building nitrogen from the air and store it in swellings on the roots, called nodules. These nodules not only feed nitrogen to the crop they are on, but rot away in the ground and supply valuable nitrogen to the soil for future bumper crops of corn, wheat, cotton, oats, fruits, etc.

### HUMOGERM Is Economical and Easy to Use

#### HOW TO ORDER

Specify crop and number of bushels you wish to inoculate. The can unit designations are on the bushel basis; for instance, the 1 bu. size contains sufficient culture to thoroughly inoculate 1 bu. of legume seed, any variety.

Special garden size for peas, beans and sweet peas, 25c. You will be delighted with the fine results. Prices: ¼ bu., 35c; ½ bu., 60c; 1 bu., \$1.00; 2½ bu., \$2.25.

When more than one bushel of seed is planted to the acre, the 1 bu. size contains sufficient inoculation for the amount of seed planted to one acre.



Roots like this mean bigger yields—better soil.



## Russell-Heckle's Farm Seeds



Orchard Grass

### Red Top or Herd's Grass

This is especially valuable for sowing on your sour or acid soils, swampy or meadow lands liable to overflow, and also on soils that are not rich enough for Timothy and other grasses or clovers. Mixed with Alsike Clover it makes a fine crop of hay or excellent pasture. Red Top makes a very dense sod that will stand trampling and will continue to grow for a longer time during the year than almost any other grass.

Eight to 10 pounds of solid seed should be sown per acre and it may be sown either in the Spring or in the Fall.

To make the best quality of hay it should be cut when in full flower. It is more easily cured than any other grass. Price: Fancy Recleaned Seed Top Notch Brand, 35c lb.; parcel post paid.

### Orchard Grass

No farmer should be without a small field of Orchard Grass, as in many respects it is superior to all other grasses. It stands the drought, grows well in the shade, does well in wet or poor ground and is splendid to prevent wornout fields from washing. This grass furnishes excellent pasture three weeks before any other and after close grazing ten days' rest is sufficient for another growth. Cows fed on this will produce more milk than on blue grass. It makes a very heavy sod and when well set remains for many years. It is especially adapted for Winter grazing, as it remains green all season. Sow 20 to 25 pounds alone per acre. 1 lb., 35c; parcel post paid.

### English or Perennial Rye Grass

Is largely sown by our landscape gardeners for Winter lawns on Bermuda sod. The Bermuda blades being easily affected by frost, become red and rusty looking, while English Rye, during Winter, presents a most beautiful appearance, being of a vivid green, and as the Bermuda during April and May makes its appearance it overgrows the English Rye, causing the latter to decay and act as a fertilizer to the existing grass. The Bermuda sod should be mowed as closely as possible; scarify the surface thoroughly, broadcast the English Rye on top. It should be sown from September to March, at the rate of 60 pounds per acre. 1 lb., 30c; parcel post paid.

### Paspalum Dilatum, or Dallas Grass

Sow eight to ten pounds to the acre. Has given splendid results in the South. It is an ideal grass for dairy farmers, as it produces enormous quantities of fresh, green, juicy feed during the hottest weather. It also keeps green during the Winter. Germinates slowly and requires from three to four weeks of warm, moist weather to sprout. Plant from November to March, 8 pounds per acre. 1 lb., 50c; parcel post paid.

### Carpet Grass

This grass grows tenaciously in any soil. Excellent for lawns or pasture purposes on the Gulf Coast and all sandy lands, and grows equally as well on clay uplands. Green all the year in lower Gulf States. It stools heavily and is one parent stalk. Planted from November to March, also during Spring. Ten pounds per acre. 1 lb., 65c; parcel post paid.

### Sunny South Lawn Grass

1 lb. sows 300 square feet; 40 to 50 lbs. sows 1 acre.

Is composed of robust-growing grasses and is a satisfactory mixture for parks or large places where lawn and grazing are to be combined, or where special care cannot be given. This mixture will stand dry, hot weather better than the finer lawn grasses. 1 lb., 50c; parcel post paid.

### Shady Spot Lawn Grass

A special mixture of grasses adapted to growing under trees and in shady places where it is difficult to get other grasses to grow. 1 lb., 60c; parcel post paid.

### Evergreen Lawn Grass

1 lb. sows 300 square feet; 60 to 75 lbs. sow an acre.

Our Evergreen Lawn Grass is a mixture of grasses that are adapted to lawn making, and contains none of the coarse grasses nor those that grow in tufts or clumps. No one grass makes an ideal lawn grass, so we have put into our Evergreen a well-balanced mixture of grasses that are at their best during different months of the year, will give a beautiful green growth at all seasons, and will make a rich, deep green, velvety lawn in as short a time as possible. 1 lb., 50c; parcel post paid.

### High Grade Sheep Manure

A pure natural manure that will give quick results on lawns, roses and pot plants. It is a well-balanced plant food that will promote a rapid and steady growth. It is dried and pulverized, clean and easily handled; no weeds, straw and refuse. Do not use stable manure on your lawn—it is disagreeable to handle is unsightly, but worse still, it fills the ground with weeds that will be hard to get rid of, that are naturally of stronger growth than grasses, and will choke out the grass if allowed to remain and spread, besides making the lawn unsightly.

On new lawns apply 10 pounds to 100 square feet; as a top dressing 10 pounds to 200 square feet. Not prepaid: 25-lb. bag, 85c; 100-lb. bag, \$2.50; 500 lbs., \$12.00; ton, \$40.00.



English or Perennial Rye Grass



## Russell-Heckle's Farm Seeds

### Bermuda Grass

A Southern grass that delights in sunshine and warmth. It is extensively cultivated in this section of the country for lawns. Very valuable for pasturage as well as for hay crop. Grows vigorously during the hot Summer months when other grasses are parched and dead. The seed should be sown in March and April at the rate of 8 to 10 pounds per acre. A rainy or damp day is the best time to sow. As the seed is small, it should be lightly covered. They will remain dormant possibly 30 days in the ground until proper time to germinate. **Lb., 50c; parcel post paid.**

### Meadow Fescue Grass

An excellent pasture grass. Sow 30 pounds to the acre in early Spring or Fall. **Lb., 45c; parcel post paid.**

### Rhodes Grass

A wide blade, tender leaf grass, succeeding well in the South. Can be used for hay and pastures. Heavy yielder. Best adapted to low, damp soil. Sow in April or May, 8 pounds of seed per acre. **Lb., 80c; parcel post paid.**

### Timothy

Eight to 10 pounds to the acre. As a crop for hay, Timothy is probably unsurpassed by any other grass.

The largest crops of hay are raised on rich land. It is not suited for light, sandy soil as well as some other grasses. **Lb., 25c; parcel post paid.**

### Canadian Blue Grass

Grows on poorest and driest soils. Invaluable for use on steep places or exposed situations. Sow 28 pounds to the acre. **1 lb., 45c; parcel post paid.**

### Sudan Grass

One of the most remarkable forage crops grown. Sudan is probably the wild original form of the cultivated Sorghums. It is a tall annual grass growing under favorable conditions to a height of 8 to 10 feet, but when broadcasted thickly it grows only 3 to 5 feet. The stems are fine, the largest stalks seldom larger than a lead pencil. Where the plants are scattered, they stool abundantly, as many as 100 stalks coming from a single root. In general appearance, Sudan Grass is much like Johnson Grass, but they are entirely distinct, for Sudan Grass lacks root stocks, and therefore never becomes troublesome as a weed. The stems are leafy, erect, and seldom lodging. The grass cures easily, making hay of excellent quality, which is readily eaten by all kinds of live stock.

Use 5 pounds per acre if in cultivated rows; 10 pounds per acre in drills, and 20 to 30 pounds per acre broadcast. It should not be planted until all danger of frost is past and the ground thoroughly warm, as the young plant is tender. Should be sown only on rich land.

The crop should be cut as soon as the grass is fully headed, and early cutting is advised where crop is used for hay. Price: **1 lb., 35c; parcel post paid.**



Sudan Grass



Red Top or Herd's Grass

### Italian Rye Grass

An annual or biennial grass. Of very high value for soiling purposes. It is a remarkably rapid grower on good soil, being ready to cut in four or five weeks from seeding. Sow 36 pounds per acre. **1 lb., 30c; parcel post paid.**

### Kentucky Blue Grass

Sow in early Spring or Fall, using 2 to 3 bushels of seed to the acre broadcast. Well adapted for lawns. Pound will sow 20x25 feet. Price: **1 lb., 60c; parcel post paid.**

### Permanent Pasture Grass Mixture

Furnishes pasture all the season from early Spring through the Winter. Sow in early Spring or Fall, using 1½ bushels to the acre. **Lb., 35c; parcel post paid.**

### Permanent Meadow Grass Mixture

A special mixture for a lasting hay crop. Sow in Spring or Fall, using 1½ bushels to the acre. **Lb., 35c; parcel post paid.**

### Permanent Hog Pasture Grass Mixture

A combination of mixed clover and best grass suitable for hog pasture. Sow in early Spring or Fall at rate of 1 bushel to the acre. **Lb., 40c; parcel post paid.**

### Chicken Pasture Mixture

A splendid mixture of grains, clover and grasses for green feed for chicken runs. Sow in February, March and September at the rate of 30 pounds to the acre. **Lb., 20c; parcel post paid.**

### Timothy and Alsike Mixed

Suitable mixture for wet lands, furnishing good pasture and hay. Sow in early Spring and Fall, 15 pounds of the mixed seed per acre. **Lb., 35c; parcel post paid.**

### Tall Meadow Oat Grass

Grows rapidly on good soil; will furnish two or three good cuttings a season. Sow in early Spring, 20 to 25 pounds to the acre. **1 lb., 50c; parcel post paid.**

### Billion Dollar Grass

Belongs to the Millet family and should not be planted until May; matures a crop of hay in 6 weeks and will then furnish good grazing. Billion Dollar Grass is a very heavy yielder and it will pay any one to plant a few acres. Being an annual, it must be planted every season. This remarkable grass is in no way a pest or in any way objectionable, as it can be plowed up and that ends it until it is planted again. Sow 20 pounds of seed broadcast to the acre. Price: **1 lb., 25c; parcel post paid.**

### PRICES

Account catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.



## Seed Oats



Early Burt—90-Day Oats

**APPLER**—A very hardy variety, rust-proof and a heavy yielder. Matures ten days earlier than native rust-proof and about a week later than Burt. For prices on Seed Oats see Special Green Ink List enclosed.

### Kaffir Corn, Milo Maize, Etc.

**WHITE KAFFIR**—Grows 4 to 5 feet high. The stems are very leafy and keep green and brittle, unlike other sorghums, which harden. Make excellent fodder, either green or dried. For fodder, sow from ½ to 1 bushel, either broadcast or in drills. **Lb., 20c;** parcel post paid.

**RED KAFFIR**—Grows taller than the white; stalks slender, juicy and very leafy. Ripens earlier than that of the white and yields much heavier. **Lb., 20c;** parcel post paid.

**YELLOW MILO MAIZE**—A non-saccharine sorghum of high value. It is a vigorous grower, of deep green color, attaining a height of 8 to 10 feet. Plant in April, May or June, 6 to 8 pounds of seed to an acre in drills. **Lb., 20c;** parcel post paid.

**EGYPTIAN WHEAT, or SHALLU**—A valuable new grain, entirely different from wheat. The heads are large and heavy. All stock love it, and do well. It makes hens lay better than any poultry food. It will stand more wet or dry weather than maize or cane. Plant in drills 3 feet apart, using ten pounds of seed per acre, or broadcast, using from 2 to 4 bushels. **Lb., 30c;** parcel post paid.

**FETERITA**—This wonderful new non-saccharine sorghum is somewhat similar to Kaffir Corn, with the exception that the grains are somewhat larger and softer than Kaffir Corn, and it is preferred by many on this account for feed in the head. It is about three or four weeks earlier than Kaffir Corn. It is undoubtedly the most drought-resisting of any of the sorghum family. Sow in April or May, in drills, 5 pounds to the acre. **Lb., 20c;** parcel post paid.

**SCHROCK KAFFIR-SORGHUM**—Schrock Kaffir-Sorghum is unlike other grain sorghums for the reason that the seed will germinate readily when the ground is cold, and this is a great advantage in getting early feed and ensilage for silos. The seed should be sown in rows 3 feet apart; 5 pounds of seed is sufficient to plant an acre. **Lb., 25c;** parcel post paid.

Sow two bushels of any of the following varieties to the acre. Plant in February or March. Apply 300 lbs. of phosphate to acre at time of seeding. It will increase your yield. One hundred lbs. Nitrate of Soda applied just before Oats begin to head will pay handsome profits.

**EARLY BURT, or NINETY-DAY**—The quickest growing and most prolific yielding Spring oats. Is a sure header, coming to maturity ten days to two weeks earlier than the rust-proof or other varieties. Burt Oats are the best poor land oats known, also the safest and earliest to plant in Spring.

**GENUINE FULGHUM**—Very hardy, rust-proof; very heavy grain; mature early.

**TEXAS RED RUST-PROOF**—The strain of this popular old favorite that we have is direct from the best growers in Texas. The grain is heavy, bright and of fine quality. Prices quoted on Green Ink List enclosed.



Texas Seeded Ribbon Cane

## Sorghum or Cane Seed

**TEXAS SEEDED RIBBON**—This cane gets its name from being a variety that closely resembles the true Ribbon Cane, raised from cuttings. It makes the finest kind of syrup. **Lb., 25c;** parcel post paid.

**JAPANESE HONEY**—This variety of cane is without a doubt the best all-round cane for the Southern farmers. It is the very best syrup producer of all of the varieties and is also a splendid forage crop for green feeding, making excellent hay if sown in drills very thick, and may be planted any time between April and August. It grows 10 to 12 feet high and is very prolific, sometimes producing five to seven stalks from one seed. Matures about the middle of August to October, owing to time of planting, but will keep green and stand, if desired, until killed by frost, allowing the farmer to take his own time to harvest for syrup. As a syrup producer it has no equal, being exceedingly juicy and sweet, making from 200 to 400 gallons per acre, highly flavored. **Lb., 25c;** parcel post paid.

**EARLY ORANGE**—A variety well adapted for the South. It is from 8 to 10 days later than the Early Amber, and produces a syrup of excellent quality. **Lb., 20c;** parcel post paid.

**EARLY AMBER**—Farmers and stockmen say that the Early Amber is the most valuable fodder plant in existence. It is profitably grown from Manitoba to Mexico on any good corn ground, and it is but little affected by drought. **Lb., 20c;** parcel post paid.

**RED TOP SORGHUM**—Grown extensively in Middle Tennessee. Very sweet and one of the best for hay. **Lb., 20c;** parcel post paid.



White Kaffir Corn

**PRICES**—On account of our catalog going to press before the market has been fully established on all Clovers, Alfalfa's, Grass and Farm Seeds, we quote same in our catalog only in small lots. For current prices on larger quantities see our Special Green Ink Sheet enclosed.



## Russell-Heckle's Farm Seeds



Tennessee Golden Millet

### Millets

**TENNESSEE GOLDEN**—Our Southern grown millet makes much better growth than the Western grown seed. This true Tennessee grown, a type that produces better quality, grows taller and gives a larger yield of very nutritious hay, is a quick grower. It should be cut for hay when it begins to show the heads. Plant  $1\frac{1}{2}$  to 2 bushels an acre broadcast. Plant from April to August. The sowing of Southern Millet with cowpeas for a hay crop is increasing in favor each year. When this is done, use an early variety, such as Whippoorwill or New Era, sowing about  $\frac{3}{4}$  to a bushel of millet with one bushel of peas to an acre. **Lb., 20c; parcel post paid.**

**WESTERN GOLDEN**—This variety is very similar to the Tennessee Golden; however, it does not produce quite as much hay, and the heads are not quite so large. **Lb., 20c; parcel post paid.**

**PEARL, or CAT-TAIL**—It is largely used by dairymen. Furnishing them green food throughout the Summer. Should not be planted before May in warm soils, as it is a tropical plant when it has reached the height of three to four feet, when it will stool out enormously and make a rapid growth. In this way 3 or 4 cuttings a season can be obtained. It can be fed either green or cured as dried forage, making a most nutritious feed which is relished by all kinds of stock. Sow 5 pounds per acre in drills 3 feet apart or broadcast at the rate of 20 to 30 pounds per acre. **Lb., 35c; parcel post paid.**

### Cow Peas

Sow in May, June and July, at the rate of one-half bushels to the acre.

The value of cow peas as a soil enricher is now well known. As fast as farmers understand the advantages of this plant as an agency through which the value of their land may be greatly increased, there will be more successful farmers and more profitable farms. It adds nitrogen to the soil at less cost than by any other method. Cow peas make excellent hay.

Prices on cow peas given on application. Let us know how many you will need.

**WHIPPOORWILL**—A favorite early bunch-growing variety. Seed is reddish brown speckled. A great favorite on account of its early maturity.

**NEW ERA**—An early, upright-growing variety. The seed is smaller. It is not inclined to run. Matures in sixty to seventy-five days.

**BLACK STOCK**—This is a large, late-vining variety. The vines grow very long. Best for thin land.

**CLAY**—Very similar to the Unknown, but earlier; vigorous growth; very popular.

**RED RIPPERS**—One of the most prolific varieties of cow peas. Vines grow long; make an abundance of hay.

**WONDERFUL, or UNKNOWN**—On account of the great growth of the vines, this variety is especially valuable. Matures late and requires a full season to give best results.

**BRABHAM**—One of the best and most productive in growth and yield of shelled peas. It is a small, hard, speckled pea, about the size of the Iron and New Era. Will make two crops.

**MIXED**—Preferred by many farmers where the crop is intended for soil improving; they will grow thicker than separate varieties, producing better crop of vines and forage.

**CALIFORNIA LARGE WHITE BLACK EYE**—This variety is not only valuable as forage and soil-improving crop, but the dried peas are readily saleable as table peas during the winter.

**WHITE CREAM, or LADY**—Fine for table use and a great soil enricher. Peas are small in size. Very prolific. Better to eat than Black Eyes.

**CROWDER**—Very prolific and an excellent variety for table use.

### Canada Field Pea

The foliage and habit of growth is quite similar to the Garden Peas. It is sometimes grown alone, but the most satisfactory results are secured by using with oats, rye or barley. It is good feed either green or dry, for cattle. Sow 60 to 90 pounds of seed to the acre. Price: **Qt., 35c; parcel post paid.**

### Chufas

Much used to fatten hogs. Plant in April, 12 inches apart, in 3-foot rows. Should be soaked before planting. One peck of seed per acre. **Lb., 50c; parcel post paid.**

### Teosinte

#### A MOST VALUABLE AND ENORMOUS-YIELDING, CONTINUOUS-CUTTING FORAGE CROP.

We strongly recommend to our customers who have not done so to sow this splendid forage crop. If a sufficient quantity is sown it will furnish a continuous daily supply of most nutritious green feed for horses and all kinds of cattle all through the summer. It also makes splendid dry fodder, yielding enormously and being more nutritious and even better relished by all kinds of stock than corn fodder. In appearance it somewhat resembles Indian Corn, but the leaves are much larger and broader, and stalks contain sweeter sap. It produces a great number of shoots, very thickly covered with leaves, yielding an abundance of forage. It stools out enormously after being cut, as many as forty-five stalks having been grown from a single seed. The first cutting can be made when it is 2 or 3 feet high. Sow in May or June at the rate of 2 or 3 pounds per acre in drills  $3\frac{1}{2}$  to 4 feet apart. **Oz., 15c;  $\frac{1}{2}$  lb., 25c; lb., 75c; parcel post paid.** Write for prices in larger quantities.

### PRICES

Account catalog going to press before Spring market has been established on all field seeds, we are unable to quote prices on this page. For current prices see Special Green Ink Price Sheet enclosed.

### CALENDARS FREE

When you order any goods, if you request it, we will be pleased to mail you one of our "Year at a Glance Calendars."



Teosinte



## Velvet Beans

**MAKES AN ENORMOUS FOLIAGE GROWTH  
GREATEST SOIL-IMPROVING CROP GROWN WITH  
LEAST EXPENSE**

**INOCULATE THIS  
SEED WITH  
FARMOGERM**

Velvet Beans make an enormous growth of vines; greater, in fact, than any other known forage plant, in the same length of time, far surpassing the cow pea in yield. Velvet Beans are usually planted in rows four or five feet apart, at the rate of about half a bushel per acre. As a soil improver they are considered superior to cow peas, as they make so much larger growth and so much heavier amount of foliage. The proportion of nitrogen contained in the vines is about the same as in cow peas, and as the yield is so much greater, the total amounts of nitrogen and humus added to the soil are correspondingly larger. A crop of three tons will add much nitrogen to the soil as will a ton of cottonseed meal, while the amount of humus will be three times as great.

### Osceola

This newest velvet bean has several advantages over the early speckled varieties. It is free from the stinging fuzz or velvet on the pods, which makes the other varieties very unpleasant to handle. It has larger beans and pods, making them less expensive to gather, and is also much earlier than most of the others. **Qt., 40c; parcel post paid.**

### Early Speckled 90-Day Velvet

This new velvet bean is creating a sensation wherever it is planted. It is the quickest growing and earliest maturing of the velvet beans, and is well adapted for growing in districts further north than velvet beans ordinarily have been grown. It will succeed and mature from Tennessee southward and will make a large growth in more northerly sections, even where it does not mature the seeds. It makes a wonderful soil improver and forage crop and the best for grazing for cattle, and is, in our opinion, destined to very largely take the place of other velvet beans all through the East and Middle South. **Qt., 35c; parcel post paid.**

## Field Beans

### White Navy

Largely grown in many sections as a commercial bean. Vines are very prolific, producing a large quantity of shelled beans per acre. **Qt., 55c; parcel post paid.**

### Mexican Pinto

This is a popular bean in Mexico and should be grown more largely here. As a table bean it is excellent, both as a dry and green shelled bean. **Qt., 60c; parcel post paid.**

### Red Kidney

The good, old-fashioned baking bean. The beans are of large size and very rich flavor. **Qt., 55c; parcel post paid.**

### White Marrow Beans

**Qt., 55c; parcel post paid.**

### White Kidney Beans

**Qt., 55c; parcel post paid.**

### Ootootan Soy Beans

The Ootootan is just as good a bean as the Biloxi, only different. It is the best hay bean known. This bean came from Hawaii and was first grown at Biloxi by the late S. M. Tracy, to whom we are also indebted for the Biloxi Bean. It is a beautiful fast growing plant growing from 4 to 5 feet high, having fine stems and delicate leaves. It cures quickly and makes a hay of fine texture and splendid quality. For hay and grain combined the Ootootan is in a class by itself. Prof. Tracy got a yield of 51 bushels to the acre. The bean itself is quite small and jet black. One-half peck plants an acre. Can be planted any time from April 1st to August 1st. **Qt., 85c; parcel post paid.**



Early Speckled Velvet Beans

## Soy or Soja Beans

The Soy Bean is a legume, and in nutritive value is equal to Red Clover. As a soil improver, it is excellent. This plant will grow on a wide variety of soils, but the richer the soil the larger the yield of forage.

**CULTURE**—The land should be prepared as for cow peas, and the seed planted in drills at a sufficient distance to permit one or two cultivations. One bushel of seed will plant two or three acres, the amount depending on the distance between the rows. The planting should be shallow, never more than one inch, or many of the seed will decay. This is a very important point to remember. Inoculation with soil from any old soy bean field is not usually necessary. If wanted for hay the crop should be cut when the upper leaves begin to turn yellow, but if wanted for seed the gathering should be delayed until nearly all the leaves have fallen. The hay is easily cured and is nearly as nutritious as Alfalfa hay. The seed planted in drills at a sufficient distance to permit cultivation, using  $\frac{1}{2}$  bushel of seed per acre. It is also sown broadcast at the rate of one bushel to the acre. Soy Beans may follow a crop of rye or barley. Sowing thickly will prevent the stalks from growing too coarse, and will enable them to be harvested and cured to better advantage. Drill in corn rows. One peck to the acre will help the soil and make fine hog pasture.

### Mammoth Yellow Soy

The largest growing and most popular of Soja Beans for forage purposes. A little later in maturity than other kinds, but makes larger yields, both of forage and seed. **Qt., 35c; parcel post paid.**

### Biloxi Soy Beans

Of all the varieties of Soy Beans the Biloxi probably grows more rank than any. It takes longer than some to mature its grain, but it is a very heavy yielder and not easily shattered in harvesting, which is a big advantage. Planted in the corn or in the row with corn for silage, it grows over six feet high. For grazing, for hogging down with corn, for soiling, it is unexcelled. The Biloxi is an upstanding plant, having no runners to spread over everything in sight. This means a great deal to the orchardist, who wants a cover crop to cover the ground only.

Biloxi should be planted in rows from three to five feet wide and ten inches apart in the drill. One or two inches is the right depth. For silage they can be planted in the row with corn or a row of corn and a row of beans. Where corn is planted in six or seven-foot rows, you can drill a row of beans in the middle. When matured, 75 per cent of the beans can be saved by running a harvester between the rows of standing corn, leaving the vines to be grazed off or turned under for soil improvement. **Qt., 50c; parcel post paid.**





**Mammoth White Virginia Peanuts**

## Peanuts

**CULTURE**—Prepare the ground well, laying it off in rows with a shovel plow; the rows should be  $3\frac{1}{2}$  feet apart, and put two kernels to the hill, which are about one foot apart. Cultivate thoroughly and keep the land as level as possible. One and one-half bushels of unshelled nuts will seed an acre.

### Spanish

In addition to their value for growing for nuts, these are very largely used in the South as a forage and fattening crop for hogs and other stock. They are early to mature, very productive, and in the far South, where they can be planted during March and April, two crops can be made in one year, the second crop being planted early in July, the tops making a hay crop and the nuts a grain crop. They grow more compact than the Virginia Peanuts, making it possible to grow them closer, making the cultivation easier also. This variety frequently yields sixty bushels of marketable peanuts and two tons of hay per acre. **Lb., 25c; post paid.**

### Tennessee Red

The finest variety grown. Especially adapted to the black, waxy land as well as the sandy soil. The nuts contain three large kernels in each and are enormously productive. **Lb., 30c; parcel post paid.**

### Valencia

This is the large Red Spanish Peanut, having 2 to 3 large, rich, sweet nuts in each hull. These need the best land and plenty of acid phosphate. When properly selected and sold as parched peanuts, they bring the highest prices. **Lb., 30c; post paid.**

### Mammoth White Virginia

Largest size; white variety. **Lb., 30c; parcel post paid.**

### The Vetches

**AUGUSTA**—This, like field peas, is used for both green fodder and for plowing into the soil. Its use is rapidly increasing as a green fodder crop. **Lb., 25c; parcel post paid.**

**HAIRY**—For pasturing or feeding as green fodder it is very valuable, and nearly equal to clover for fertilizing. Sown with grain, it requires one peck of seed to each acre. Sow in September and October. **Lb., 35c; parcel post paid.**

### Mammoth Russian Sunflower

A more profitable or important crop can hardly be raised. The seed is highly valued by farmers and poultry breeders, who have tried it. Single heads measure from 12 to 22 inches in diameter, and contain a lot of seed, which can be raised much cheaper than corn. Plant 6 lbs. to the acre in drills. **Lb., 25c; 3 lbs., 60c; parcel post paid.**

## Broom Corn

**IMPROVED EVERGREEN**—An excellent variety of good length; has fine, straight straws. Sow in April, one gallon to the acre. **Lb., 20c; parcel post paid.**

**OKLAHOMA DWARF**—Straight, stiff stems and leaf; markets readily. **Lb., 25c; parcel post paid.**

## Buckwheat

Sow three pecks to one bushel to the acre.

It can be sown so late as to prove a profitable second crop to follow early peas, potatoes, etc. Good pasturage for bees.

**JAPANESE**—It proves to be two weeks earlier than Silver Hull, both being planted at the same time. Kernels are peculiar and distinct. Makes a superior grade of flour. **Lb., 25c; parcel post paid.**

## Upland Rice

A valuable crop, more easily grown than corn, and is relished by all kinds of stock. Prepare the land and cultivate as for corn, using a bushel of seed per acre. Plant the seed in drills 24 inches. **Lb., 45c; post paid.**

## Prices

On account of catalog going to press before Spring market has been established on all field seeds, we are unable to quote quantity prices. For current prices see Special Green Ink Price Sheet enclosed.

## Dwarf Essex Rape

### THE MOST PROFITABLE PASTURE PLANT IN EXISTENCE

Rape is one of the quickest and cheapest pasture crops for sheep, young cattle, poultry and hogs. One acre of Dwarf Essex Rape will pasture more hogs, cattle and sheep than six acres of grass or clover. As a healthy, fattening pasture food it has no equal. It stands without a rival in cheapness and effectiveness.

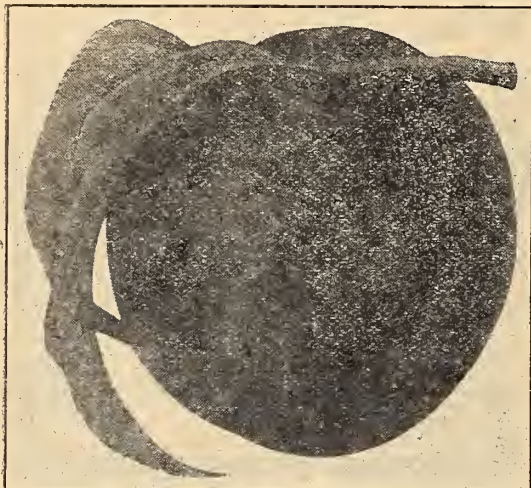
It is an annual, bearing a close resemblance in leaf and stalk to the Rutabaga, but both leaves and stalk are more numerous in the Rape plant, and of a taller habit of growth. It is a pasture plant which may be eaten off by any kind of live stock, but it is pre-eminently fitted to furnish pasture for sheep, cattle and swine. A good crop will furnish at least 12 tons of green food, and its nutritive value is twice that of clover an acre. One acre of well-grown rape will furnish pasture for twenty head of sheep for two months, and will fatten them in good form for market. Dwarf Essex Rape thrives best on a good soil, rich in vegetable matter. Slough lands are excellent. This plant may be grown successfully in the following ways, viz.: 1. In the early spring to provide pasture. 2. In June or July, on well-prepared land, to provide pasture. 3. Along with grain, using 5 lbs. of seed an acre, to provide pasture for sheep after harvest. 4. Along with peas, oats, clover seed, to provide pasture to get a "catch" of clover. 6. As a cover. **Lb., 25c; parcel post paid.**



**Dwarf Essex Rape**



## Fruit Trees



Belle of Georgia

### CERTIFICATE OF INSPECTION

Issued annually by the Tennessee State Entomologist, showing freedom of our stock from San Jose Scale and other injurious insects and diseases, will be attached to every shipment.

Set out small trees. They are more certain to grow and will bear fruit just as early as any large or older tree. It is a mistake to reset any tree older than two years.

Our trees are first-class and true to name. We represent one of the largest and most reliable nurseries in the South.

Terms are strictly cash, F. O. B. growing station. No trees shipped C. O. D.

### Peach Trees

Price: 4 to 5-ft. Trees, each, 75c; 10 for \$7.00; 3 to 4-ft. Trees, each, 60c; 10 for \$5.00.

**ARP BEAUTY**—The earliest yellow free stone peach; ripens June 10th.

**BELLE OF GEORGIA**—Very large; has white skin, attractive red cheek; flesh white, firm; freestone; ripens about the 10th of July.

**CARMAN**—Large, resembling Elberta; skin tough, creamy white, with deep blush; flesh creamy white; freestone; middle of June.

**CHAMPION**—Freestone; ripens July 20th; large creamy white with red cheek.

**CHINESE CLING**—Very large; yellowish white, mottled with carmine; flesh white, red at tip; a very juicy peach; clingstone; end of July.

**ELBERTA**—Of Georgia origin; firm yellow flesh and tough skin, which is yellow slightly overspread with red; fine red cheek; freestone; middle of July.

**EARLY ROSE**—Cling; larger than Mayflower; ripens May 15th; a good keeper; red sweet flesh.

**GREENSBORO**—Ripens in June; freestone; largest of all early peaches; skin is colored and dark red, shaded with yellow.

**J. H. HALE**—Averages one-third to one-half larger than Elberta, ripens about five days earlier and is much superior in flavor; color a beautiful golden yellow with deep carmine blush; one of the best freestones; ripens in July.

**EARLY ELBERTA**—Freestone; midseason; yellow, of the Elberta type, but earlier somewhat, finer grained, better in quality and sweeter; a very highly colored peach.

**OLD MIXON CLING**—Skin yellow, with red cheek; flesh pale white; one of the best clings; ripens July; freestone.

**HEATH CLING**—Late, Sept. 15; white tinged red, very juicy, rich and luscious.

**HILEY, or EARLY BELLE**—Large white with red cheek; freestone; ripens middle June.

**WONDERFUL**—Free, large yellow, splashed with carmine; ripens August.

**KRUMMEL'S OCTOBER**—Freestone; deep yellow, with carmine blush; ripens late.

### Grapes

Price: 2-Year Vines, each, 35c; 10 for \$3.00.

**CONCORD**—Fruit dark purple, large and sweet.

**AGAWAM**—A good cropper; fruit red, large.

**DELAWARE**—Small red; juicy and sweet.

**IVES**—The best variety for wine; black, sweet.

**DIAMOND**—Greenish white; large size; good bearer.

**NIAGARA**—Fruit tender, sweet; large greenish white.

**LUTIE**—Brownish red; large; of delicious flavor.

### Scuppernong Grapes

**JAMES SCUPPERNONG**—Large black fruit, of delicate flavor.

**STANDARD SCUPPERNONG**—Very large; bronze color; each, 60c; 10 for \$5.00.

### Quinces

Price: 3 to 4-ft. Trees, each, \$1.00; 10 for \$8.50.

**ORANGE**—Fruit of good size, bright yellow; excellent flavor.

**MEECH PROLIFIC**—The largest quince in cultivation; an early bearer.

### Figs

First Grade: Each, 85c; 10 for \$7.50.

**BROWN TURKEY**—Large, with broad base; reddish purple skin; flesh pink; very fine.

**CELESTIAL**—Pale violet; large size fruit; very hardy.

### Apricots

Price: 4 to 5-ft. Trees, each, \$1.00.

**EARLY GOLDEN**—Very early, productive and of good size.

**ROYAL**—Large, yellow, with orange cheek; rich and delicious.

### SPECIAL NOTICE

If out of the variety ordered, do we have your permission to substitute equal or better in the nearest we can supply? Advise us.

A **SQUARE DEAL** is positively given every customer who purchases his seed from us, and on account of changing prices that are prevailing we will undertake to protect our customers by giving them every advantage possible.



The Lutie Grape



## Fruit Trees

### Apples

Price: 4 to 5-ft. Trees, each, 75c; 10 for \$7.00. 3 to 4-ft. Trees, each, 60c; 10 for \$5.00.

**EARLY HARVEST**—Yellow, medium to large size, fine flavor. The most profitable early apple in this section.

**HORSE (Yellow Horse)**—Large greenish yellow; acid; a good bearer; July-August.

**RED JUNE**—Medium size, oblong; deep red; middle of June to end of July.

**GRIMES' GOLDEN**—Large, golden yellow; good bearer; ripens in September.

**JONATHAN**—Dark red; early bearer; fine quality; ripens 1st September.

**ROME BEAUTY**—Large yellow, with red cheek; vigorous growth and bears young.

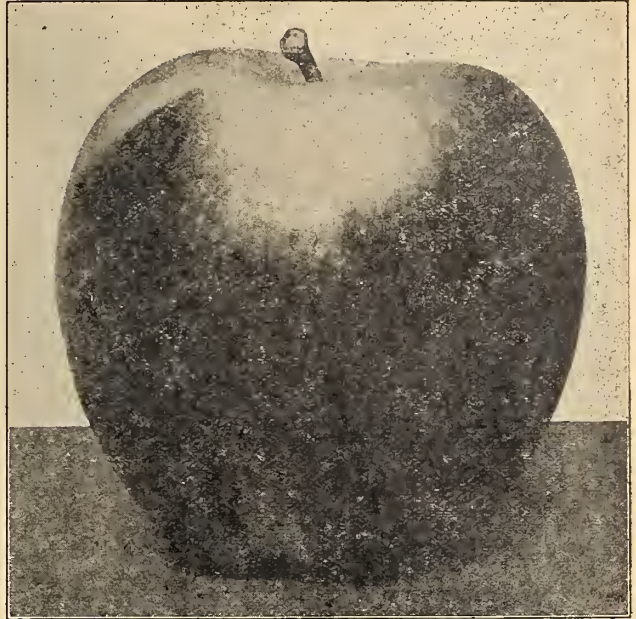
**WINESAP**—Small to medium size; fine, dark red; flesh crisp; an excellent keeper.

**DELICIOUS**—Very large, oblong; color rich crimson shaded to yellow; fine grain, juicy; a fine keeper and shipper.

**YATES**—One of the surest croppers and best keepers; dark red with white dots; flesh yellow, crisp and good.

**STAYMAN WINESAP**—Much like Winesap in size and appearance, but of better quality.

**OUR FARM AND SEED PRICE LIST** will be mailed promptly on application, and if the market declines or anyone quotes you a lower price than ours in this catalog, please write us a postal card and ask for our Farm Seed Price List. It will save you money.



Delicious Apple

### Plums

Price: 4 to 5-ft. Trees, each, \$1.00; 10 for \$9.00; 3 to 4-ft. Trees, each, 75c; 10 for \$6.00.

**ABUNDANCE**—Large size, matures early; of bright red color; sweet and juicy.

**BURBANK**—Similar in all characteristics to Abundance, except that it is more globular. Of cherry red color, mottled with yellow.

**COMPASS CHERRY-PLUM**—A cross between the Sand Cherry and the Miner Plum. Fruit about one inch in diameter, bright red; when fully ripe a dark rich red. Remarkable in that it bears heavily the second or third year.

**SHROPSHIRE DAMSON**—European type. Of larger size than the old Blue Damson. Dark purple; good quality. In great demand for preserving.

**RED JUNE**—Skin of purplish red color; flesh yellow, solid, rather coarse grained, juicy; very prolific. Matures about the middle of June.

**WILD GOOSE**—Very large; bright red skin; yellow flesh; tree a vigorous grower.

**WICKSON**—A plum of large size and distinct, pointed shape. Of high quality purple when matured. It ripens the last of July.



Large Montmorency Cherries

### Cherries

Price: 3 to 4-ft Trees, each, 75c; 10 for \$7.00.

**BLACK TARTARIAN**—Large, purplish black; a pleasant flavor.

**EARLY RICHMOND**—Medium in size; light red; acid; ripens last of May.

**ENGLISH MORELLO**—Dark red, almost black; tender and juicy.

**GOVERNOR WOOD**—Good size; clear, light red; tender and juicy.

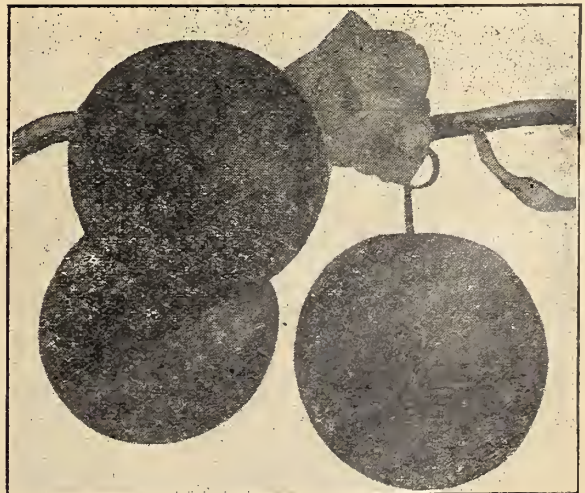
**LARGE MONTMORENCY**—Very productive; large size; rich red; follows Early Richmond. Tree a strong grower and a sure bearer.

### Mulberries

Price: 4 to 6-ft. Trees, each, \$1.00.

**DOWNING**—Berry large, black; ripens ahead of Hick's; hardy and prolific.

**HICK'S EVERBEARING**—Follows Black English and continues in bearing for weeks; berry is black.



Compass Cherry Plum



## Pears

4 to 5-ft. Trees, each, \$1.00; 10 for \$9.00.

3 to 4-ft. Trees, each, 75c; 10 for \$7.00.

**KOONCE**—Very early; yellow skin with sweet flesh.

**FLEMISH BEAUTY**—Large, beautiful pear, melting and sweet.

**BUERRE DE ANJOU**—Yellow shaded crimson; large size tree; a good bearer.

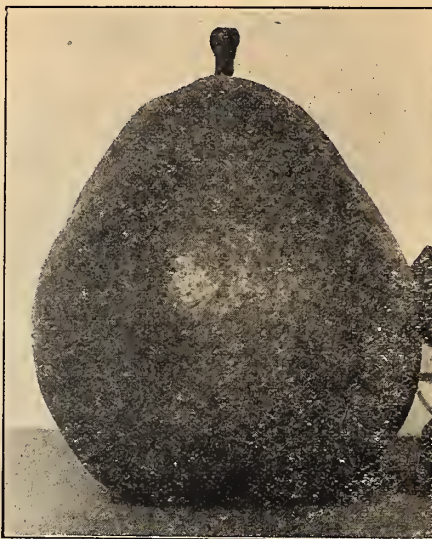
**DUCHESS**—Very large; good keeper; excellent quality.

**LE CONTE**—Good size, bell-shaped. Tree a vigorous grower; bears young.

**SECKEL**—This little pear is the standard for flavor. Yellowish russet with red cheek; very juicy and melting. August.

**KIEFFER**—Large to very large; yellow, with vermilion cheek; brittle flesh; quality usually poor; greatly improved if ripened in dark, cool room. Matures in September. Prolific; begins bearing early—the third or fourth year.

**GARBER**—Larger than Kieffer; a beautiful yellow; ripens in September.



Koonce Pears

## Walnuts

Each, 75c

**ENGLISH**—Makes a handsome tree; a table nut of fine quality.

**JAPAN**—A vigorous tree and a sure and prolific bearer.

## Strawberry Plants

Set in March and April in rows 3½ feet wide and 15 inches apart in the row. We can furnish any of the following varieties, but they will be shipped separate from any other trees or plants on our list. Plants ready in March.

Any of the following varieties: 50, 60c; 100, 90c; 500, \$2.75; 1,000, \$4.85; parcel post paid. Not prepaid: 100, 75c; 500, \$2.50; 1,000, \$4.50; 2,000, \$8.00; 5,000, \$17.50.

Special prices quoted on larger quantities.

**AROMA**—Large size; dark red; one of the best of the late sorts.

**EXCELSIOR**—Extra early; high color; a vigorous grower and one of the best drought resisters.

**BRANDYWINE**—A large, highly productive variety. Succeeds everywhere.

**LADY THOMPSON**—Widely planted over the whole country.

**KLONDYKE**—A shapely dark red berry of uniform size and one of the best shippers.

**LADY CORNEILLE**—A new Strawberry from Louisiana; it ripens with Klondyke, but continues in bearing longer; berries large, rich, glossy red, slightly long, uniform in size and shape; rich, juicy, sweet and delicious.

**GANDY**—The last to ripen; a large, firm, bright crimson berry of good quality.

## Everbearing Strawberry Plants

**PROGRESSIVE EVERBEARING**—This is the best of the Everbearing sorts; berry is dark red, good shape and quality.

Price: 25, 60c; 50, \$1.00; 100, \$1.45; 500, \$5.25; parcel post paid. Not prepaid: 25, 50c; 50, 90c; 100, \$1.25; 500, \$5.00; 1,000, \$7.50.



Klondyke Strawberries

## Chestnut

Each, 75c

**JAPAN MAMMOTH**—Produces mammoth size nuts; tree a vigorous grower.

**AMERICAN SWEET**—Tree a rapid grower; produces nuts early.

## Grafted Pecans

Plant 35 to 50 feet apart.  
2 to 3-ft. Trees, each, \$1.25; 10 for \$9.00.

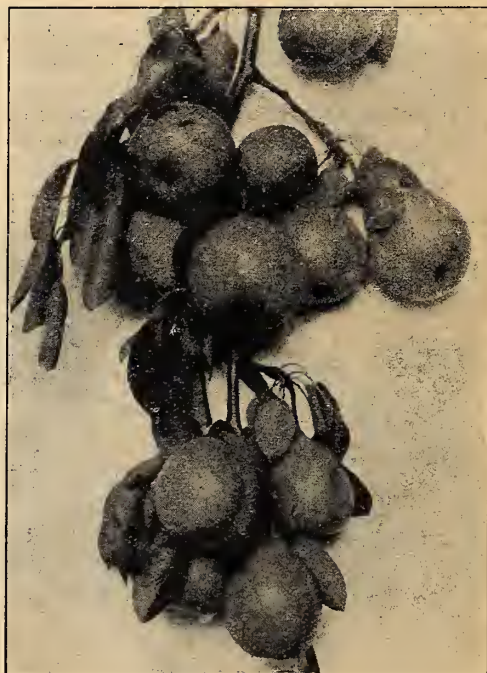
3 to 4-ft. Trees, each \$1.50, 10 for \$11.00.

**STUART**—The hardiest of this list. Large size; shell medium thin; quality good; one of the best varieties.

**SCHLEY**—A distinctly pointed nut of good size; thin shell, well filled; fine flavor.

**FROTSCHER**—Rich plump meat, medium to large nut; thin shell.

**DELMAS**—One of the largest; bears early; very thin shelled; productive.



Seckel Pears

## New Pears

**DIXIE BLIGHT PROOF PEAR**—A chance seedling, likely a cross between a Leconte and Sand Pear, originated in South Georgia a number of years ago; a sure bearer; fruit of fine quality and of good size and highly colored; the trees show marked vitality and absolutely free from blight.

Price: 3 to 4-ft. Trees, \$1.25 each.

**SAND PEAR**—A sure cropper in the South. Trees attain an enormous size and never fail to bear large crops; free from blight; fruit large, yellow, juicy, semi-acid.

Price: 3 to 4-ft. Trees, each, \$1.00; 10 for \$9.00.

"Russell-Heckle Seed Co.:

"On January 2, 1922, I ordered \$7.00 worth of garden and flower seeds from you. Although I did not get them started very early and the ground had no extra preparation, the results were wonderful. Everyone who saw them stated they had never seen such a beautiful sight and wanted to know where I bought my seed. The sweet peas were the most gorgeous colors and shades, also the largest I have ever grown. My zinnias were waist-high and a mass of immense blooms.

Respectfully yours,

"Benoit, Miss.

MRS. IDA J. BEADEL."



## Raspberry Plants

Price any following varieties: 10, \$1.20; 100, \$7.40; parcel post paid. Not prepaid: 10, \$1.00; 100, \$7.00.

**CARDINAL**—Large reddish purple; almost a sure cropper.

**CUTHBERT**—Red, of excellent quality; ripens end of May.

**ST. REGIS EVERBEARING**—Fruit bright red; produces crop in the Spring, also in the Fall; will bear the first season. Almost a sure cropper every season.

## Blackberry Plants

Price either of following varieties: 10, \$1.20; 100, \$7.40; parcel post paid. Not prepaid: 10, \$1.00; 100, \$7.00.

**EARLY HARVEST**—Medium size, firm, productive.

**ELDORADO**—Large reddish black; very sweet.

## Asparagus Roots

Set roots or plants either in Spring or Fall.

**PALMETTO**—Two-year-old roots. Price: 50, \$1.25; 100, \$2.40; parcel post paid. Not prepaid: 50, \$1.00; 100, \$2.00; 1,000, \$15.00.

## Horse Radish

Plant in rows 18 inches apart, putting the sets 1 foot apart. Doz., 50c; 100, \$3.00; parcel post paid. Not prepaid: Doz., 40c; 100, \$2.50.



Cuthbert Raspberry

## Rhubarb, or Pie Plant

A fine, healthful fruit. Requires a rich, deep, warm soil. Set out 4 feet apart each way. Strong two-year-old roots. Price: Each, 30c; doz., \$2.75; parcel post paid. Not prepaid: Each, 25c; doz., \$2.50.

One-year roots: Each, 15c; doz., \$1.50; parcel post paid. Not prepaid: Each, 10c; doz., \$1.00.

## Hedge Plants

**AMOR RIVER PRIVET**—The best of the Privets for planting in the South. This type retains its bright green foliage almost all Winter here. Strong 2-year plants. 25, \$2.00; 100, \$7.00.

**CALIFORNIA PRIVET**—Very popular; planted all through the South, but in our opinion not as desirable as the Amor River, because after a few years it loses its foliage early in winter. Strong, 2-year plants. 25, \$1.50; 100, \$5.00.

**BARBERRY (Barbis Thunbergii)**—Valuable where a hedge of low growth is wanted; has a dark green foliage. 25, \$5.50; 100, \$20.00.

## Evergreen Shrubs

Abelia, Grandiflora, each.....\$1.00  
Euonymus Japonicus, each.....1.00  
Euonymus Seiboldiana, each.....1.00  
Japanese Privet—Specimen Plants, each......75  
Nepal Privet—Specimen Plants, each.....2.00

## Surplus Grape

### Vines

One of our growers is offering the following list of grape vines at special prices.

**CONCORD**—Fruit dark black.

**LUTIE**—Large red.

**NIAGARA**—Greenish white.

**MOORE'S EARLY**—Very early, black.

Prices, 12, \$2.50; 100, \$20.00, f.o.b. Memphis. Not less than 12 sold at above special price.

## Surplus Fig

### Bushes

**BROWN TURKEY**—Reddish purple.

**CELESTIAL**—Large violet.

Prices—12, \$4.00; 100, \$30.00. No less than 12 at above special prices.

Spray Grapes with Bordeaux Mixture as soon as the flowers have dropped and the fruit set. To protect from birds and to prevent rot, bag the Grapes when the berries are about the size of okra seed. Use No. 2 manilla bags for the Delaware and other small bunch varieties and No. 3 bags for Niagara, Concord and other large bunch sorts. Make a slit in the bottom of the bag for drainage, and then slip the bag over the bunch and fold the corners over and fasten with a pin. Cultivate the Grapes throughout the growing season.

Cultivate and fertilize the Asparagus bed so that the crowns may develop properly during the summer and be able to produce a heavy crop of shoots next Summer. Remember that the yield and quality of the Asparagus depend largely upon the treatment given the Asparagus this year.

Plant Bunch Beans every 10 days or two weeks for succession of Snap Beans. Bountiful, Black Valentine and Giant Green Pod are good varieties for the home garden. Cultivate the garden after every rain to keep it absolutely free from grass and weeds and to preserve moisture.

Dust the Irish Potatoes with Arsenate of Lead to kill the potato beetles. Also dust Cabbage plants lightly with Arsenate of Lead to destroy cabbage worms.

## Shade Trees

American White Ash, 8-10 ft., each.....\$1.00  
American White Elm, 8-10 ft., each.....1.50  
Magnolia, Grandiflora, 4-5 ft., each.....2.00  
Maple, Ash Leaf, Box Elder, 8-10 ft., each.....1.00  
Maple, Silver Leaf, 8-10 ft., each.....1.25  
Maple, Sugar or Rock, 8-10 ft., each.....1.50  
Poplar, Carolina, 8-10 ft., each......75  
Poplar, Lombardy, 8-10 ft., each......75  
Red Bud, Judas Tree, 5-6 ft., each.....1.25

## Vines

Boston Ivy, Ampelopsis, Veitchii, each.....\$ .50  
Clematis, White Cluster, each......50  
Clematis, Violet Purple, each......75  
Clematis, Crimson Red, each......75  
Kudzu Vine, each......40  
Honeysuckle Vine, three varieties, each......40  
Virginia Creeper, each......50  
Wistaria, Purple-White, each......75

## Coniferous Evergreens

Arbor Vitae, Junipers, Spruce, Golden Arbor Vitae. Price: \$2.00 to \$4.00 each.

Write for description. We have many other desirable Evergreens for this locality.



Lombardy Poplars

## Pulverized Sheep Manure

A single bag equivalent to whole wagon load of stable manure. Easy to handle, clean, every weed seed killed. Absolutely the best fertilizer for flowers, vegetables, fruits, shrubs, grass and field crops. Far superior to chemical stimulant because it is a natural fertilizer supplying BOTH plant food and humus. See Green Sheet Special Price List.



## Deciduous Shrubs

- ALMOND FLOWERING** Each 75c.  
**ALTHEA**, Rose of Sharon—Double red. Each, 50c.  
**ALTHEA**, Rose of Sharon—Double white. Each 50c.  
**ALTHEA**, Rose of Sharon—Double violet. Each 50c.  
**ALTHEA**, Rose of Sharon—Single red. Each, 50c.  
**ALTHEA**, Rose of Sharon—Single blue, Each 50c.  
**ALTHEA**, Rose of Sharon—Single white. Each 50c.  
**BARBERRY**—Japanese Barberry. Each 40c.  
**BUTTERFLY BUSH**—Violet. Each, 50c.  
**CALYCANTHUS**—Sweet Shrub. Each, 50c.  
**CREPE MYRTLE**—Pink-red. Each, 75c.  
**CREPE MYRTLE**—White-purple. Each, 75c.  
**DEUTZIA**—Pride of Rochester. Each, 50c.  
**DEUTZIA**—Gracilis white. Each, 50c.  
**DOGWOOD**—White-red. Each, \$1.00.  
**FORSYTHIA**—Golden Bell. Each 50c.  
**HONEYSUCKLE**—Bush. Each, 50c.  
**JAPAN QUINCE**—Crimson. Each, 50c.  
**LILAC**—Purple and white. Each, 50c.  
**MOCK ORANGE**—Philadelphus. Each, 50c.  
**PEARL BUSH**—Each 50c.  
**SNOWBALL**—2 varieties. Each, 75c.  
**SPIREA**—6 varieties. Each, 75c.  
**WEIGELA**—3 varieties. Each, 75c.

### Everblooming Monthly Roses

- All two year old field grown hardy plants. by parcel post, each, 90c; each, 75c.  
**WHITE MAMAN COCHET**—Waxy white, vigorous.  
**SNOW QUEEN**—White, long buds, one of the best.  
**KAISERIN AUG. VICTORIA**—Very large white, blooms freely.  
**PINK MAMAN COCHET**—Very fragrant and pleasing shade.  
**RADIANCE**—Rich pink, constant bloomer, full fine form.



Pink Maman Cochet

- PAUL NEYRON**—The largest of all, bright shining pink.  
**ALEX HILL GRAY**—Deep lemon yellow, a large full flower.  
**ETOILE DE LYON**—Fine golden yellow, blooms early and late.  
**FRES. TAFT**—Shining deep pink, very large and fragrant.  
**BRIDESMAID**—Beautiful pink with soft yellow, shading at base.  
**BRIDE**—A most dainty pure white, long pointed buds.  
**JONKEER J. L. MOCK**—Clear Imperial Pink, large size, highly perfumed.  
**GRUSS AN TEPLITZ**—Fiery Crimson, very fragrant, perfectly hardy.  
**RED RADIANCE**—Clear red, blooms the whole season.  
**GEN. JACQUIMINOT**—Rich, brilliant velvety red, large shapely buds.  
**CRESTED MOSS**—Deep pink buds, with mossy fringe, fragrant.  
**RED MOSS**—Light red, large full flowers, vigorous.  
**WHITE MOSS**—Rosy pink flowers, good fall bloomer.

### Climbing Roses

- Field grown two years, strong plants. Each, 60c; by parcel post, 75c.  
**CLIMBING AMERICAN BEAUTY**—Rich red, very fragrant, hardy.  
**DOROTHY PERKINS**—Beautiful shell pink, sweet scented.  
**RED DOROTHY PERKINS**—Called Exelsa, intense crimson scarlet.  
**CRIMSON RAMBLER**—A popular climber, rich vivid crimson.  
**THOUSAND BEAUTIES**—Flushed white to deep pink, grows in clusters.  
**WHITE DOROTHY PERKINS**—A hardy pure white climber, very showy.  
**AMERICAN PILLAR**—Hardy climber, the open carmine rose petals measure 2-3 inches across.  
**DR. VAN VLEET**—Produces cluster buds of delicate flesh white, vigorous climber.  
**SILVER MOON**—Semi double flowers, pure white, fine climber for trellis.

### Surplus Nursery Stock

We have a large surplus of the following varieties. This is your chance to get bargains.

- CAROLINA POPLAR SHADE TREES**—5-6 feet high, doz., \$3.50; 100, \$25.00.  
**LOMBARDY POPLAR SHADE TREES**—5-6 feet high, doz., \$3.00; 100, \$20.00.  
**WEeping WILLOW SHADE TREES**—4-5 feet high, doz., \$3.50; 100, \$25.00.

Nothing less than one dozen at this price.

### Hardy Shrubs

- 1 year plants, doz., \$2.50; 100, \$18.00; no less than 12 sold.  
 Althea                      Crepe Myrtle                      Spirea Rosea  
 Deutzia                      Forsythia                      Spirea, Van Houtte  
 Calycanthus                      Jap. Quince                      Spirea, Alba  
 Lilac                      Tamarix                      Spirea, Bridal Wreath

### Hedge Plants

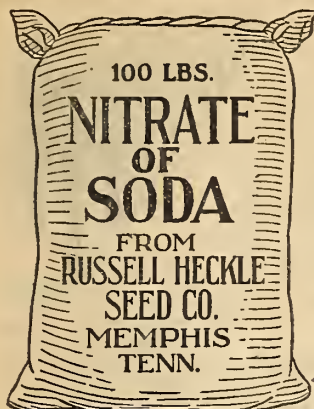
- CALIFORNIA PRIVET**—12 to 18 inches high, 100, \$3.00; 1000, \$25.00.  
**CALIFORNIA PRIVET**—15 to 18 inches high, 100, \$5.00, 1000, \$40.00.  
**AMOR RIVER PRIVET**—12 to 15 inches high; 100, \$6.00; 1,000, \$50.00.  
**AMOR RIVER PRIVET**—15 to 18 inches high; 100, \$8.00; 1,000, \$70.00.



Weigela Shrub



# R.-H. CO'S. FERTILIZERS



## How to Use Fertilizers

Fertilizers can always be used to good advantage by opening up the row, sprinkling thinly the fertilizer; then cover same with a little soil and then sow your seed. Or, they can be used by working them into the soil along the rows after the plant is up, care being taken not to let it come in contact with the leaves or stem of the plant. For plants that are transplanted, work the fertilizer into the soil thoroughly before transplanting, using from a teaspoonful to a small handful, according to the size and the nature of the plant. Fifty pounds of garden fertilizer is sufficient for a garden 40x50 feet.

The best way to apply fertilizers to field crops is to use a fertilizer drill. Otherwise sow broadcast after planting, then harrow into the soil as thoroughly as possible. For all field crops, use 200 to 400 lbs. per acre, according to the soil.



## The Kind of Fertilizer to Use

**TRUCK GUANO**—For all garden crops, beans, peas, cabbage, tomatoes, etc.

**OUR CORN SPECIAL**—A special mixture for increasing the corn crop.

**OUR COTTON GUANO**—Will make cotton open earlier and increase the yield.

**ACID PHOSPHATE**—Adds the needed phosphate. Can be used on gardens, lawns, clovers, grasses, oats, wheat, alfalfa, etc.

**BONE MEAL**—Fine for fruit trees, grape vines, roses and all vegetable crops. It is very high in phosphoric acid.

**NITRATE OF SODA**—Increases the yield and hastens maturity on all crops such as oats, wheat, corn, cabbage, potatoes. Nitrate of Soda will burn, so be careful and do not put directly on the plants. Sprinkle it five or six inches away from the plant, in broadcasting it. Mix with dry soil and then scatter.

**SHEEP MANURE**—Fine for lawns or gardens. Furnishes both humus and nitrogen. Broadcasting on lawns is the proper way to use sheep manure. On garden crops sprinkle in the drill, or as a side dressing sprinkle by the side of plants.

**COTTONSEED MEAL**—Used with Acid Phosphate makes a good fertilizer for potatoes and corn. 200 lbs. Acid Phosphate and 100 lbs. cottonseed meal is sufficient for fertilizing one acre in the drills.

**STIMULANT**—A tablet form of plant food, good for garden crops and flowers.

## Armour's Fertilizers

These well-known brands need little description, as they are known all over the country. They will give a big increase in your crop, under favorable conditions, and we recommend them with utmost confidence.

**ARMOUR'S ACID PHOSPHATE**—Most all soils need phosphates. Guaranteed 16 per cent available phosphate. Price: Per 100 lbs., \$1.50; 18% Acid Phosphate, \$1.75.

**ARMOUR'S COTTON GUANO**—Specially prepared for this crop.

Analysis: Phosphoric acid, 10 per cent; nitrogen 1 65-100 per cent; potash, 1 per cent.

Price: Per 100 lbs., \$2.50.

**ARMOUR'S CORN SPECIAL**—Increase growth of stalk and ears.

Analysis: Phosphoric acid, 11 per cent; nitrogen, 82-100 per cent; potash, 50-100 per cent.

Price: Per 100 lbs., \$2.25.

**ARMOUR'S 8-4-3 GUANO**—For all garden and trucking crops.

Analysis: Phosphoric acid, 8 per cent; nitrogen, 4 per cent; potash 3 per cent.

Price, by freight: 5 lbs., 25c; 25 lbs., \$1.00; 100 lbs., \$3.50.

**SWEET POTATO GROWER**—Especially for the sweet potato crop. Will increase the yield.

Analysis: Phosphoric acid, 8 per cent; nitrogen, 2 per cent; potash, 2 per cent. Price: 100 lbs., \$4.00.

## Nitrate of Soda

Nitrate of Soda is power. It can be used on all field and garden crops, either mixed with the soil or applied after crops are up and growing. It requires about 150 lbs. of Nitrate of Soda to the acre. Application of Nitrate of Soda not only increases the yield, but also makes crops mature earlier, and in case of drought the plants will stand the dry spell wonderfully good. For shade trees, fruit trees, strawberries, Nitrate of Soda is a wonder worker. Everyone that used Nitrate of Soda on the cotton crops was well repaid for the expense. Take a handful of Nitrate of Soda and scatter it on your lawn and watch the results in about ten days' time. Application of Nitrate of Soda on cabbage, lettuce, beets, etc., makes them more crisp and tender. Always remember that Nitrate of Soda must be used carefully, as it is a caustic and will burn plants if used too liberally.

Price: 4 lbs., 25c; 15 lbs., 80c; 25 lbs., \$1.25; 100 lbs., \$3.50. F. O. B. Memphis. Ton price on application.

## V-C Plant Food

### FOR GARDENS, FLOWERS AND LAWNS



All of these are dependent upon the available supply of plant food the garden soil contains. Rapid and healthy yield of high quality is sought in the products of the vegetable and flower garden. V. C. Plant Food contains 8 per cent available phosphoric acid, 5 per cent nitrogen and 3 per cent potash and will double your crops. Full directions on every package.

Price: 1-lb. can, 30c; 2-lb. can, 50c; 5-lb. can, \$1.00. By parcel post, 1-lb., 40c; 2-lb., 60c; 5-lb., \$1.15. Price, 10-lb. bag, \$1.50; 25-lb., \$2.50.

## Pulverized Sheep Manure

This is the pure natural manure saved from the stock yards, is thoroughly dried, pulverized and screened, is light and easily and quickly applied. It is free from weed seeds and a splendid fertilizer for general crops and especially for top dressing lawns and golf courses, shrubs and flowers. Our sales on these goods have increased largely since we introduced it several years ago.

5-lb. pkg.....	2-lb. pkg.....	50-lb. bag.....
10-lb. pkg.....	100-lb. bag.....	
25-lb. bag.....	Per ton.....	
Parcel post: 5 lbs., 45c; 10 lbs., 70c.		

# Stim-u-planT

## PLANT STIMULANT TABLET

Trade Mark Registered U. S. Patent Office

### AN ALL-THE-YEAR FERTILIZER FOR GARDEN AND HOUSE PLANTS

Growers of fine flowers, shrubs and vegetables for the best markets and for exhibition, fertilize and stimulate them frequently, a little at a time. An excellent fertilizer for this purpose is Stim-U-planT, an odorless, highly concentrated plant-food, in tablet form, with guaranteed chemical analysis of 11 per cent nitrogen, 12 per cent phosphoric acid, 15 per cent potash.

## Stim-U-Plant (Plant Stimulant Tablet)

can be used in tablet form, or dissolved in water at the rate of one tablet to the quart. Complete directions with every package.

Order Stim-U-planT tablets with your seed and plant order. Price, 10 tablets for 15c; 30 for 25c; 100 for 75c; 1,000 for \$3.50. By parcel post: 10 tablets, 18c; 30 tablets, 28c; 100 tablets 80c; 1,000 tablets, \$3.60.

**STERLINGWORTH PLANT TABLETS**—A new odorless invigorator for house plants; increase growth of plant and doubles the bloom. Per box, 15c; by parcel post, 20c.

**PURE BONE MEAL**—Invaluable for top dressing lawns. Nothing is better for fertilizing young fruit trees, grape vines, roses, etc. 4 lbs., 25c; 25 lbs., \$1.00; 100 lbs., \$3.50. By parcel post, 4 lbs, 50c.

**MURIATE OF POTASH**—The genuine article with analysis 10 per cent available potash. Price: 100 lbs., \$4.25.



# R.-H. CO'S. SPRAY MATERIALS



These Trees Were Sprayed

solution in water.  $\frac{1}{2}$  lb., 25c; 1 lb., 45c; 5 lbs., \$2.00; 10 lbs., \$3.95; 100 lbs., \$35.00. Not mailable.

**BORDEAUX MIXTURE DRY**—The new form of Bordeaux will keep indefinitely; cures and controls blight. Lb., 40c; 5 lbs., \$1.75; 25 lbs., \$6.25. Not mailable.

Spraying your trees will save 90 per cent of your crop. It is worth all your labor and expense to try it. Poisonous insecticides and liquids are not mailable. Prices are F. O. B. Memphis, buyer paying carriage charges, excepting where priced parcel post paid.

**BORDEAUX WITH ARSENATE OF LEAD DRY**—Controls at one spraying all fungus troubles and insects. Lb., 60c; 5 lbs., \$2.75; 10 lbs., \$5.00. Not mailable.

**ARSENATE OF LEAD**—Kills every insect that eats it; superior in every way to Paris Green, as it does not burn or scald the foliage; can be used dry as a powder or as a



These Trees Were Not Sprayed

**CUT WORM KILLER**—Absolutely certain death to the troublesome cut worm. Lb. box, 30c. Not mailable.

**FISH OR WHALE OIL SOAP**—Prevents and cures aphids and other troubles on plants and trees. No. 4—1 lb., 30c; 5 lbs., \$1.25. By parcel post: 1 lb., 40c; 5 lbs., \$1.40. No. 7—With Tobacco: 1 lb., 35c. By parcel post, 1 lb., 45c.



**BOROWAX**—Affords absolute protection against borers, when applied to peach, plum and apple trees. Keeps the borers out. Treat all young trees when first set out with Borowax and you will be repaid for your trouble and expense. Price: Qt., 40c; gal., \$1.25; F. O. B. Memphis. Not mailable.

**BI-SULPHIDE OF CARBON**—For keeping weevils and other insects out of grain and cow peas. Pour in shallow vessel and place on top of grain, covering the container, as the fumes descend into the grain. 1 lb., 65c. Not mailable.

**BLACK LEAF 40**—A nicotine solution for destroying aphids, lice, etc., on both garden and flowering plants. A teaspoonful makes 1 quart of solution. This is one of the most effective preparations for general sucking insect. Oz. bottles, 30c;  $\frac{1}{2}$ -lb. tin, \$1.25. Not mailable.

**BUG DEATH**—Very safe, being non-poisonous; effective on all garden insects. Price, by freight: Lb., 20c; 3 lbs., 45c; 5 lbs., 60c; 12 $\frac{1}{2}$  lbs., \$1.25; 100 lbs., \$8.50. Parcel post: Lb., 30c; 3 lbs., 60c; 5 lbs., 80c; 12 $\frac{1}{2}$  lbs., \$1.70.

**BUG DEATH ALPHA**—A combined insecticide and fungicide for certain plant-eating insects; applied as a dust it prevents many fungus troubles and kills insects at same application.  $\frac{3}{4}$ -lb. carton, 20c; by parcel post, 25c.

**BLIGHT AND BUG DEATH MIXTURE VAYCIDE**—Prevents blight on tomatoes. Use it in the soil when preparing your seed bed or use it when setting out your plants. Full direction are on the box. Vaycide Blight and Bug Death Mixture comes highly recommended. Price:  $\frac{1}{4}$  lb., 25c;  $\frac{1}{2}$  lb., 40c; 1 lb., 70c; 3 lbs., \$1.50. Not mailable.

**COPPER SULPHATE SOLUTION**—Prevents and cures blight, rot and other fungus troubles on all kinds of trees and plants. Qt., 40c. Not mailable.

**CORROSIVE SUBLIMATE**—Used for treating sweet potatoes before bedding to prevent black rot and other fungus diseases. One ounce will make 8 or 10 gallons of water, enough to dip 8 to 10 bushels of sweet potatoes. Price: Lb., \$1.75. By express or freight only. Not mailable.

**FORMALIN**—Used for treating oats, wheat, etc., to prevent smut; also to prevent potato scab. One pound will make 30 gallons of solution. By freight only. Lb. bottles, \$1.00. Not mailable.

**GRAFTING WAX**—Used for grafting scions on trees.  $\frac{1}{4}$  lb., 20c; by parcel post, 30c.

**GRAPE DUST**—Prevents and cures blight on all plants; very effective on roses; not poisonous. By freight: Lb., 25c; 5 lbs., 80c. Parcel post: Lb., 35c; 5 lbs., \$1.00.

**HELLEBORE**—Will kill most all insects; does not burn plants; is poisonous, but safe to use.  $\frac{1}{2}$  lb., 30c; 1 lb., 60c. Not mailable.

**INSECT CHECKER**—Sure death to all leaf-eating insects. Box, 20c; 6 boxes, \$1.00. Not mailable.

**INSECTO**—A dry-powdered insecticide and fungicide; controls leaf-eating insects and fungi diseases in one spraying, thereby saving time and money. Lb., 30c; 5 lbs., \$1.25. Not mailable.





# R.-H. CO'S. SPRAY MATERIALS

**KEROSENE EMULSION**—Especially effective against aphids and lice on all plants. Pt., 30c; qt., 50c. Not mailable.

**LIME SULFUR SOLUTION**—A concentrated liquid form easily mixed. Simply add 10 gallons of water to 1 gallon to the solution. Price: Qt., 50c; ½ gal., 75c; gal., \$1.25; 5 gals., \$5.25. Not mailable.

**LIME SULFUR POWDERED**—Dry Lime Sulfur is the actual standard liquid material in dry powdered form and requires only the addition of water to make an effective spray. By freight: Lb., 35c; 5 lbs., \$1.25; 10 lbs., \$2.00; 25 lbs., \$4.25; 100 lbs., \$14.00.



**LEMON OIL INSECTICIDE**—For destroying aphids, bugs, scale, etc., on rose bushes, ferns, and other plants, and does not burn the foliage. Also destroys lice, ants, and roaches without odor or danger. ¼ pt., 35c; pt., 60c. Not mailable.

**NIKOTEEN**—Effective against all insects and does not damage the growth upon which it is sprayed; especially useful on aphids and lice on both vegetable and flowering plants. One ounce Nikoteen makes 10 gallons of spraying solution. Oz. bottle, 30c; 2-oz. bottle, 50c; ½ lb., \$1.00. Not mailable.

**NO SCAB**—For preventing smut of wheat, oats and other grain. Also to prevent scab on potatoes; never plant them without first treating them with No-Scab. 8-oz. bottle, 40c. Not mailable.



**NO. 40 DUST**—A certain remedy for aphids lice, and also chewing insects; splendid for mildew on roses and grapes, and all fungus troubles and blight on other flowers and vegetable plants. Price: 1 lb., 35c. Not mailable.

**PARIS GREEN**—Has been on the market for many years, and is known for its effectiveness. It must be used with care; one teaspoonful to one gallon of water will be safe. ¼ lb., 20c; ½ lb., 30c; 1 lb., 50c; 5 lbs., \$2.25; 100 lbs., \$36.00. Not mailable.

**PARADICHLOROBENZENE**—Peach Tree Borer control. Discovered at last, a sure cure for peach tree borer. Time of application, Sept. 25 to Oct. 31. Method of application, applied to the soil around the tree, making a little trench and then covering. The fumes descend downward, killing all the borers and other insects around the roots. Paradichlorobenzene must not be used on any trees under 5 years old, as it is very powerful and will harm young trees. No danger in handling this wonderful discovery as it is non-poisonous to man. Price per pound, which is enough for 16 trees, 75c; 5 lbs., \$3.00; 10 lbs., \$5.00. By parcel post: 1 lb., 85c; 5 lbs., \$3.15; 10 lbs., \$5.20.



Tree Tanglefoot

**PYROX**—Destroys insects and prevents blight all at one spraying; a combination of Bordeaux, Paris Green and Arsenate of Lead. Especially recommended for tomato blight, etc. Lb. jar, 40c; 5 lbs., \$1.50; 10 lbs., \$2.50. Not mailable.

**SCALECIDE (PRATT'S)**—Cures and prevents San Jose scale. One of the best dormant sprays; easy to apply; not poison. By freight only. Qt., 55c; gal., \$1.45; 5 gals., \$6.45. Not mailable.



**SULFOCIDE (PRATT'S)**—A sure preparation for the second spraying. Prevents wormy fruit; does not burn and easy to use. Directions on each can. Pt., 45c; qt., 80c; gal., \$2.25. Not mailable.

**SLUG SHOT**—Especially effective against cut worms and is not poisonous. Price, by freight: Lb., 20c; 5 lbs., 65c; 10 lbs., \$1.25; 25 lbs., \$2.50; 125-lb. keg, \$11.00. Parcel post: Lb., 30c; 5 lbs., 80c; 10 lbs., \$1.50.

**"SURE-NOXEM"**—One of the best vegetable insecticides in use. Specially recommended for destroying worms and insects. Lb. box, 25c; 5-lb. package, 70c. Not mailable.



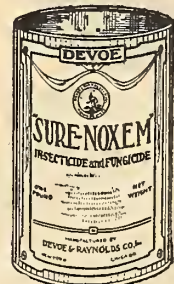
**SULPHO TOBACCO SOAP**—Kills all insects on plants; simple and effective. By freight: 3-oz. cake, 10c; 8-oz., 25c. Parcel post: 3-oz. cake, 15c; 8-oz., 30c.

**SULPHUR POWDERED**—Will prevent and cure mildew; should be used on all roses in the spring; apply dry. By freight: Lb., 30c. Parcel post, 40c.

**TREE TANGLEFOOT**—Used as a band on all kinds of trees; will prevent any kind of insects on them. This is one of the most effective treatments for insect troubles. By freight: Lb., 50c; 3 lbs., \$1.45; 5 lbs., \$2.25. Parcel post: Lb., 60c; 3 lbs., \$1.55; 5 lbs., \$2.40.

**TREE KILLER (Poison)**—For trees, shrubs and vines. Trees die quicker, stumps rot quicker than old method of deadening.

**Directions**—Chop all around the trees about one or two feet from the ground, making a downward cut one or two inches deep; then pour a small amount of the Tree Killer in the cut, going all around the tree. This can best be done if you use a coal oil can with a spout, so as not to waste the liquid. Price: Gal., \$1.25. F. O. B. Memphis. Packed in two and five gallon cans.



**THRIP JUICE**—A sure shot against aphids, lice and all sucking insects; not poisonous. ½ pt., 35c; pt., 50c. Not mailable.

**TOBACCO DUST**—Especially desirable for use against lice and sucking insects. By freight: Lb., 20c; 10 lbs., \$1.00; 25 lbs., \$2.00. By parcel post: Lb., 30c.

**TUBER TONIC**—A new preparation especially made to kill potato beetle and at the same time act as a tonic for the plant. ½ lb., 30c; 1 lb., 50c. Not mailable.

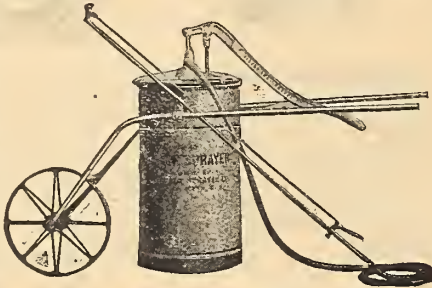


# R.-H. CO'S. LINE OF SPRAY PUMPS

Our Line Orchard, Bucket and Hand Sprayers is complete. Special Catalogues of the Larger Outfits Mailed on Application.

## Portable Sprayers

**MYERS PORTABLE SPRAYERS**—Capacity 12½ gallons; tank made of heavy galvanized iron, equipped with portable wheelbarrow frame; has cog gear spray pump, agitator with 15 feet hose connection. Vermorel nozzle and 8-ft. pipe extension; this is a handy equipment, fully guaranteed. Price, complete, \$24.00.

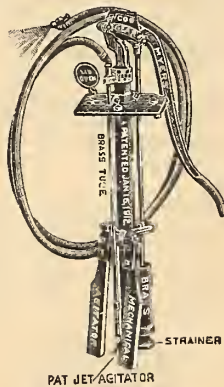


**PARAGON SPRAYER NO. 3**—Capacity 12 gallons; one of the most popular outfits. Strong, simple and durable; will whitewash and spray all material satisfactorily. Equipment, 10 ft. special spray hose, 1½ ft. extension pipe, mist nozzle, steel cap and straight spray. The material is strained in the outfit before it goes into the pump, avoiding clogging. Price, complete, \$29.00.

**IDEAL PORTABLE SPRAYER**—Equipment, tank 12 gallons, portable attached to an iron wheelbarrow frame with wheel; 10 feet ¾-inch pressure hose; 10 feet pipe extension; 1 1/2 shut-off cock; 1 nozzle. Weight 65 lbs. Price, \$22.50. Price, with air tank, \$32.50.

**AUTO NO. 40**—A very durable portable hand spray pump for general use. This pump will generate from 150 to 175 lbs. of air pressure to the square inch; will conveniently answer for all orchard and field work, also for applying whitewash and disinfectant. Capacity tank, 10 gallons; equipment, 8 ft. high pressure ¾-inch hose lever shutoff, latest pattern screen nozzle. Price, complete, \$24.50.

## Barrel or Orchard Pump



**MYERS NO. R305B**—Orchard Pump, complete barrel sprayer, hose agitator and nozzle. Price, without barrel, \$14.00.

**MYERS NO. R318B**—Orchard Pump; extra heavy barrel sprayer; hose nozzle and agitator. Price of pump complete without the barrel, \$15.00.

**MYERS NO. R318B**—Barrel sprayer with steel wheel cart, all set up ready to use; barrel holds 50 gallons. Price, \$45.00.

**R318B PUMP**—Mounted on barrel only. \$24.00.

**HUDSON NO. 4A**—Can be used in connection with any barrel. It is neat, compact, adjustable, durable and efficient. Price of pump only, with agitator hose and nozzle, no barrel: Each, \$12.50.

**HUDSON NO. 4B**—Pump complete with discharge equipment, except hose agitator and nozzle; extension rod, all mounted on wooden barrel ready to use. Price, \$22.00.

**AUTO NO. 240**—A dandy orchard and whitewash pump mounted on a new barrel with 15 feet ½-inch discharge hose; brass non-clog atomic nozzle and agitator. Price, already to go to work, \$32.00.

**PARAGON NO. 5 SPRAYER**—This sprayer, especially designed for large orchards, has solid cast brass pump and large air chamber, carries 25 feet special spray hose, 10 feet extension pipe, 1 three-way nozzle, 1 single nozzle, and pump is mounted on good heavy barrel. Price, complete, \$48.00.

**HUDSON SPRAY BOOM NO. 27**—Equipped with four nozzles adjustable for rows 32 to 42 inches apart; can be used in connection with any barrel sprayer, making it an ideal outfit for spraying cotton fields or other crops. Place the barrel with boom attached in any cart or wagon of your own; you can get as good results from the outfit as you can from a higher priced one. Price of boom No. 27, \$14.00.

## Knapsack Spray Pumps

**AUTO NO. 5 BRASS SPRAY PUMP**—A double-acting general purpose bucket and barrel pump, made entirely of brass. Can be used in the garden or orchard. Each, \$5.00; by parcel post, \$5.40. Auto Knapsack Tank for No. 5 Pump, each, \$4.00; by parcel post, \$4.50. Auto Extension Elbow for No. 5 Sprayer, each, 60c; by parcel post, 70c.

**STANDARD BRASS SPRAY PUMPS**—A pump gun style sprayer, made entirely of brass, with different nozzles; you can spray large or small orchards, potatoes or garden crops and poultry houses, and will also spray whitewash satisfactorily.

Standard Brass Spray Pumps with three nozzles: Each, \$5.00; by parcel post, \$5.40.

Standard Galvanized Knapsack Tank: Each, \$3.75; by parcel post, each, \$4.15. Standard Potato Extension Attachment, all brass: Each, \$1.00; by parcel post, each, \$1.10.

**MYERS NO. 330**—Galvanized Knapsack Sprayer. Each, \$12.50.

**MYERS NO. 331**—Brass Tank Knapsack Sprayer: Each \$18.50.

**MYERS NO. 317 IDEAL SPRAY PUMP**—Has three distinct nozzles in one—for fine spraying; for close work coarse spraying for long distances. Price: Each, \$5.00; by parcel post, \$5.40.

## Compressed Air Sprayers

**PERFECTION SPRAYER**—Tank holds 4 gallons. Unexcelled for Whitewash, Water, Paints, Insecticides. Two styles: No. 110G, galvanized tank, \$6.50; by parcel post, \$7.00. No. 110B, brass tank, \$9.50; by parcel post, \$10.00.

**HUDSON JUNIOR**—The Hudson Junior Sprayer is made for the man who needs a high pressure compressed air sprayer smaller than the Perfection 110. It will do any work the larger models can, for it differs from them only in capacity. Tank is galvanized and holds about 2½ gallons. Price, \$5.00. By parcel post, \$5.35.

**NO. 1B**—Auto Sprayer, brass tank, with auto pop. Each, \$9.00. By parcel post, \$9.40.

**NO. 1D**—Auto Sprayer, galvanized tank, with auto pop. Each, \$7.00. By parcel post, \$7.40.

**NO. 1C**—Auto Sprayer, gallon tank, with stop cock. Each, \$6.50. By parcel post, \$6.90.

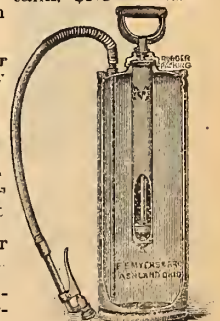
**NO. 9 AUTO SPRAYER**—Similar to Auto No. 1, excepting the method of locking the pump in tank. Tank holds about three gallons. Price, galvanized tank, \$5.50; brass tank, \$8.00. By parcel post, 40c each extra.

**MYERS NO. 296**—Compressed Air Sprayer. Capacity about 3 gallons, heavy galvanized tank, fine for garden tree spraying. One of the special features of this sprayer is the nozzle, by means of which the spray can be adjusted from a broad fine spray to long distance. Price \$5.50; by parcel post, \$5.90.

Extension Pipes for above Compressed Air Sprayers, each, 50c; by parcel post 75c.

Brass Elbows for Compressed Air Sprayers, each, 75c; parcel post paid 80c.

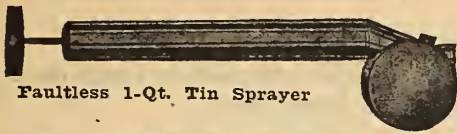
Double Row Attachments for Compressed Air Sprayers, each, \$2.00; parcel post paid, \$2.20.





# R.-H. CO'S. SPRAYERS and ACCESSORIES

## Hand Sprayers



Faultless 1-Qt. Tin Sprayer

These are convenient and especially desirable for small garden spraying, poultry house, etc.

**FAULTLESS**—One quart tin spray. Each, 50c; by parcel post, 75c.

No. 4512—One qt. tin sprayer: Each, 50c; by parcel post, 75c.

No. 22—Auto one quart Tin Sprayer: Each, 50c; by parcel post, 75c.

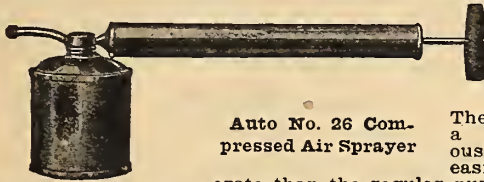
No. 530—Crescent one quart Glass Jar Sprayer: Each, 75c; by parcel post, \$1.00.

No. 202—One pint Tin Sprayer: Each, 40c; by parcel post, 55c.

Scollay's Rubber Plant Sprinkler: Each, \$1.25; by parcel post, \$1.35.

Scollay's Rubber Putty Bulb: Each, \$1.25; by parcel post, \$1.35.

## Compressed Air Hand Sprayers



Auto No. 26 Compressed Air Sprayer

These make a continuous spray; easier to operate than the regular pump style.

No. 7212—1 qt. continuous, galvanized tank, \$1.00; by parcel post, \$1.25.

**AUTO No. 26**—1 qt. Pneumatic Compressed Air Hand Sprayer. The most perfect continuous hand sprayer on the market. It is the latest device and best of its kind. This sprayer really operates and won't get out of order like many of the former hand compressed air sprayers. We absolutely guarantee these new style Auto Sprayers.

**AUTO No. 26A**—1 qt., tin pump and tank, \$1.00; by parcel post, \$1.25.

**AUTO No. 26C**—1 qt., tin pump, with brass tank, \$1.25; by parcel post, \$1.50.

**AUTO No. 25D**—2 qt., tin pump, with galvanized tank, \$1.75; by parcel post, \$2.00.

**BUSINESS ONE-GALLON COMPRESSED AIR SPRAYER**—A heavy, strong, substantial, medium-priced compressed air sprayer for all general purposes. Will throw a spray or stream. Price: \$2.75; by parcel post, \$3.00.

## Bucket Spray Pumps



Meyers No. 325

**MODOC No. 1222**—Bucket Pump. Has a large air chamber, therefore giving a continuous spray without much labor. The pump is all brass, with bronze balls, practically indestructible. Price: Each, \$4.50; by parcel post, \$4.80.

**AUTO No. 6**—Bucket Spray Pump. Double action; furnished with 3 nozzles, all brass. Price, \$5.00; by parcel post, \$5.35.

**AUTO No. 7**—Barrel and Bucket Pump. Large size; adapted for using in a barrel or bucket; double acting, all brass. Price, \$7.50; by parcel post, \$7.85.

**MYERS No. 325**—Bucket Pump. Makes fine or coarse spray; all brass; provided with a good air chamber. Price, \$4.40; by parcel post, \$4.35.

**HAYS No. 251**—Bucket Pump. Has a large air chamber; a good serviceable outfit. Price, \$4.50; by parcel post, \$4.85.

## Dry Powder Sprayers

**LOWELL No. 131**—Dry Powder Sprayer. Each, \$1.00; by parcel post, \$1.25.

**FEENY MODEL B**—Dry Powder Sprayer. Each, \$1.25; by parcel post, \$1.35.

**DUSTER BROWN**—Will handle any dry powder chemicals; can be used in gardens, on shrubs, roses, etc. Price: Each, \$2.00; by parcel post, \$2.20.

**Hand Insect Powder Gun.** Each, 25c; by parcel post, 30c.

**Dickey Bug Death Duster.** Each, 50c; by parcel post, 60c.

**Acre an Hour Sifter.** Each, 75c; by parcel post, 95c.



Duster Brown Dry Powder Sprayer

## Spray Hose



We carry the best quality pure rubber hose, which is cut in lengths to suit. Prices as follows:

Three-Eighths Inch 7-ply Spray Hose. Per foot, 25c.

One-Half Inch 7-ply Spray Hose. Per foot, 25c.

Five-Eighths Inch Garden Hose. 50 feet, \$6.00.

Three-Quarter Inch 5-ply Garden Hose. 50 feet, \$7.50. Postage 2c per foot extra.

## Spray Nozzles and Accessories

	Parcel Post
Two Row Spray Attachments, each.....	\$2.25 \$2.45
Bordeaux Spray Nozzles, 1066, each.....	.75 .85
Vermorel Spray Nozzles, 1290, each.....	.75 .85
Perfection, No. 176, each.....	1.50 1.60
Myers' 1878 Nozzle, each.....	1.50 1.60
Fog Nozzles, No. 166, each.....	.90 1.00
Fog Nozzles, No. 168, each.....	.90 1.00
Fembro, No. 1378, each.....	.90 1.00
Brass Shutoff Cock, 3/8 and 1/2 inch, each.....	1.00 1.10
Galvanized Hose Clamps, 3/8 and 1/2 inch, each.....	.10 .12
Brass Hose Couplings, male or female, 3/8 and 1/2 inch, each.....	.25 .30
Brass Hose Couplings, extra long, each.....	.35 .40
Perfect Clinch Hose Menders, 3/4-inch, each.....	.15 .15
Perfect Clinch Hose Couplings, 3/4-inch, set.....	.35 .35
Stayon Hose Clamps, 1/2 inch, each.....	.35 .40
Leather Plunger Washers, each.....	.10 .12
Rubber Gaskets, each.....	.15 .18
Iron Extension Rods, 4 ft. 3/4 in.*.....	.60 .60
Iron Extension Rods, 8 ft. 3/4 in.*.....	1.00 1.00
Bamboo Extension Rods, 3/4 in. 6 ft.*.....	2.50 2.50
Bamboo Extension Rods, 3/4 in. 8 ft.*.....	3.50 3.50

\*Not mailable.

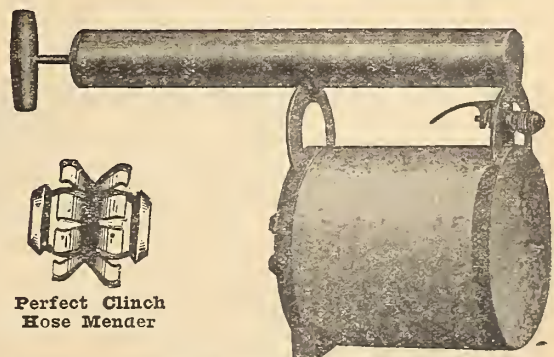
## Lawn Sprinklers

**THOMPSON No. 70**—Called the twin lawn sprinkler. Operates under any pressure, making two sprays of beauty and efficiency. Each, 75c; by parcel post, 85c.

**THOMPSON No. 130**—The baby arm revolving lawn sprinkler. Will cover 30 feet in diameter; strong, durable and guaranteed satisfactory. Each, \$1.50; by parcel post, \$1.60.



Thompson Twin Lawn Sprinkler



Perfect Clinch Hose Mender

Business One-Gallon Compressed Air Sprayer



# R.-H. CO'S. SEED SOWERS AND TOOLS

## Thompson's Wheelbarrow Seed Sower

The Thompson Wheelbarrow Seeder gives a perfect uniformity and evenness of putting down the seed, more so than any other style we know of. We handle only the No. 2 Seeder, which is superior to the No. 1, from the fact that it sows in addition to the heavier seeds, like Timothy, Alfalfa and Clover Seeds, all Grass seeds and Lespedeza.

**Price:** No. 2, 14-ft. Thompson Wheelbarrow Seeder, each, \$12.50; No. 12, 14-ft. Royal Chain Wheelbarrow Seeder, each \$12.50.



## Hudson No. 9 Hand Seeder

It will sow Wheat, Oats, Barley, Rye and all other grain and grass seeds five times faster than by hand. It does the work perfectly with a saving of at least one-third of the seed used by other methods. Each, \$3.75. By parcel post, \$4.00.

## Cyclone Seed Sower

Will sow Timothy, Clover, Oats, Rye, Wheat, Millet, Grass Seeds, Peas, Sorghums, etc. Distributes evenly, works perfectly; has an agitating feed plate, which insures a uniform flow of seed. **Price:** Each, \$2.00. By parcel post, \$2.20.

## Thompson Grain Hopper

To be used in combination with the Thompson's Wheelbarrow Seed Sower. For sowing broadcast Oats, Wheat, Barley, Sorghums, Cow Peas, etc. No. 4—Thompson Grain Hopper. Each, \$5.00.

## Wire Flower Pot Bracket

Very neat and attractive in appearance; very strong; easily put up and instantly removed; 6 inches in diameter. Each, 20c; doz., \$2.00. By parcel post, each, 30c.

## Wire Hanging Flower Basket

8-inch: Each, 20c; parcel post, 30c  
10-inch: Each, 30c; parcel post, 40c  
12-inch: Each, 35c; parcel post, 45c  
15-inch: Each, 75c; parcel post, 90c

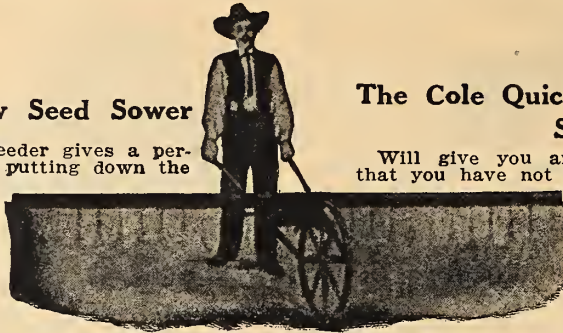
## Green Sheet Moss

For wire flower baskets. **Lb.,** 60c; by parcel post, 70c.

## AMATEUR'S GARDEN GUIDE

Special planting instructions for sowing all kinds of vegetables and flower seeds, setting fruit trees, roses, strawberry plants, sowing grasses and clover seeds, supplied free with orders. This is a 16-page booklet, full of useful information. Don't fail to get a copy.

**REMEMBER**—A good garden should contain a variety of vegetables. The various kinds in our books are selected for this locality.



## The Cole Quick Attachable Lespedeza Seed Saver

Will give you an extra revenue on your land that you have not been receiving. Sow what you want and sell the difference. There is always a market for seed.

The "COLE" Quick Attachable Seed Saving Pan is convenient to operate, adjustable to any standard mower of same width of cut. Made in two sizes, 4½-foot and 5-foot cut of mower. **Price:** \$14.85. F. O. B. Memphis.

## Dosch One-Row Cotton Duster

Supplied with powerful fan, making it possible to throw calcium arsenate entirely over the plant; they give perfect satisfaction, easily operated by one man. Each, \$18.50; by parcel post, \$18.90.

## Steel Measures

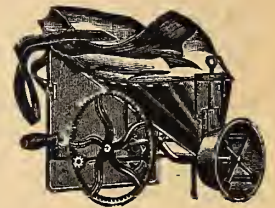
Extra strong and durable, superior to the old-style wooden measures.

Steel Measures, 1-qt., 35c; by parcel post, 45c  
Steel Measures, 2-qt., 40c; by parcel post, 50c  
Steel Measures, 4-qt., 50c; by parcel post, 65c  
Steel Measures, 1-pk., 60c; by parcel post, 75c  
Steel Measures, ½-bu., 75c; by parcel post, 95c



## The Horn Seed Sower

A splendid little tool, simple and easy to operate. Will sow any fine seed like Clover, Lespedeza, Timothy, Alfalfa and grasses. **Price, \$1.00.** By parcel post, \$1.10.



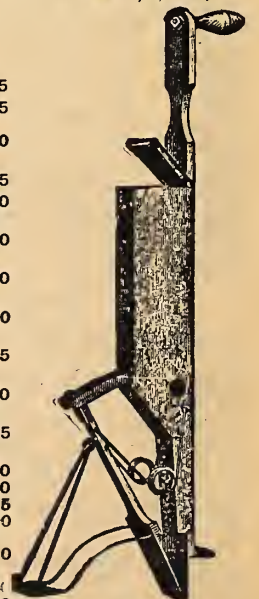
Cahoon Broadcast Seed Sower

## Cahoon Broadcast Seed Sower

One of the best seeders manufactured, and sows all kinds of grain, clover, seeds, etc. **Price:** Each, \$4.50; by parcel post, \$4.85.

## Miscellaneous Items

1-bu. Stave Baskets, per doz. \$1.75  
½-bu. Picking Basket, per doz. 1.75  
3-qt. Tomato or Peach Basket, per 100 2.00  
1-qt. Strawberry Boxes, per 100 1.25  
Planet Jr. Turf Edgers, each 1.50  
Wooden Pot Labels, 4 inches, per 100 .50  
Wooden Pot Labels, 6 inches, per 100 .80  
Wooden Pot Labels, 8 inches, per 100 1.00  
Wooden Tree Labels, wired, per 100 .75  
Segment Hand Corn Planter, 1 hand, each 1.50  
No. 309—Hand Corn Planter, two hand, each 1.25  
Wooden Tree Protectors—per doz. .30  
per 100 1.50  
Michigan Hand Weeder, ea. .15  
Reddick Mole Trap, each 1.00  
English Glazing Putty, 12-lb. cans, each 2.00  
Jute Twine, 2-ply—1 lb. .30  
10 lbs. 2.50



Segment Hand Corn Planter



# R.-H. CO'S. GARDEN TOOLS

## Red Chief Corn Sheller

Will sell more corn by hand than any tool of its kind. Is fully guaranteed. **Price, each, \$2.75.** By parcel post within the third zone, **each, \$3.25.**



## Masters Rapid Plant Setter

The only practical tool for transplanting all kinds of plants. Each plant is set, watered and covered in one operation without any stooping or lame backs. **Price: Each, \$6.00.** F. O. B. Memphis.

## Hot Bed Sash

Standard size, 3 feet wide by 6 feet long; well made, of the very best quality of seasoned lumber. **Price: Each, \$4.00.** Larger quantities at special prices on request.

## Garden Tools

No. F-30—Hand Spading Forks, each.....	\$ .60
By parcel post.....	.75
No. T-22—Hand Trowels, riveted, each....	.35
By parcel post.....	.45
No. T-17—Hand Trowels, riveted, each....	.25
By parcel post.....	.35

Master's Rapid Plant Setter

No. T-15—Hand Trowels, steel, each.....	\$ .60	By Parcel Post	\$ .70
No. 83—Garden Trowel Set, 3 pieces, each....	.35		.95
8-inch Hedge Shears, each.....	2.00		2.20
9-inch Hedge Shears, each.....	2.50		2.75
10-inch Hedge Shears, ea.....	2.75		2.95
V-20—Pruning Tool, ea.....	2.50		2.75
V-30—Pruning Tool, ea.....	3.00		3.25
V-2—Grass Shears, ea.....	.60		.70
V-36—Grass Shears, ea.....	.80		.90
V-50—Grass Shears, polished, each .....	.90		1.05
No. 33—Grass Hooks, ea.....	.85		1.00
No. 1—Grass Hooks, ea.....	.60		.75
No. 219—Asparagus-Dandelion Knife, ea.....	.50		.60
No. 320—Tree Pruner less handle, each .....	1.35		1.50

No. 83—Garden Set

Bateman Transplanting Hoe, each .....	1.35	1.50
---------------------------------------	------	------

## Gilson Weeder

The Gilson Weeder does the work of a rake and a hoe at the same time.

5-inch Gilson Weeder, 6-foot handle, each.....	\$ .75
6-inch Gilson Weeder, 6-foot handle, each.....	.85

## Gilson Scratch Weeder

The Gilson Scratch Weeder is fine for work in any flower plants. Prices as follows:

Gilson Scratch Weeder, 6-inch handle, 5-point.....	\$ .20
Gilson Scratch Weeder, 6-inch handle, 7-point.....	.30
By parcel post add 10c each.	

## Savo Flower and Plant Box

### ALL YEAR ROUND

### Self-Watering and Self-Irrigating

For Winter and Summer use. Fill with water only once a week. Cannot overwater plants. Air goes direct to the roots.

Model A—8 in. high, 9 1/2 in. wide, 23 in. long.....	\$3.50
Model B—8 in. high, 9 1/2 in. wide, 29 in. long.....	4.00
Model C—8 in. high, 9 1/2 in. wide, 35 in. long.....	4.50
Model D—8 in. high, 9 1/2 in. wide, 41 in. long.....	5.00
Model E—8 in. high, 12 in. wide, 12 in. long.....	3.50
Model F—12 in. high, 12 in. wide, 12 in. long.....	4.00
By Express Only.	

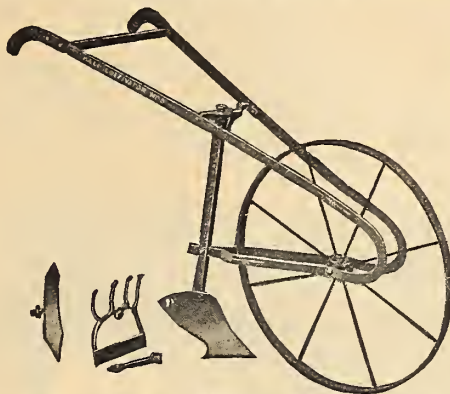


Pruning Shears

R-50—Pruning Shears, each.....	1.50	1.70
R-65—Pruning Shears, each.....	1.75	1.90
V-56—Pruning Shears, each.....	1.50	1.60
H-14—Pruning Shears, Ladies', each.....	1.50	1.60
No. 33—22-in. Scythe Blade, each.....	1.50	1.85
Hand Weeders, each.....	.25	.30

## Hand Garden Plows

The most inexperienced and ignorant laborer on earth can handle these tools with entire success. All kinds of work can be done with these plows and combination of tools; plowing and breaking of the ground in spring and harrowing, cultivating and weeding.



Gilson 5-Point

Scratch Weeder

No. 5—Leader Garden Plow

No. 3—Leader Garden Plow, wood handles, complete with 5 tools.....	\$3.50
No. 5—Leader Garden Plow, iron handles, complete with 5 tools.....	3.75
No. 240—Hudson Garden Plow, wood handles, complete with 4 tools.....	3.40
No. 15—Kokomo Garden Plow, wood handles, complete with 4 tools.....	3.35
No. 22—Bateman Hand Garden Plow with mold board, 1 tool .....	2.00

## Pull Easy Cultivator Rake

A new tool designed to do the work of a cultivator and rake combined. **Price, \$1.50 each,** by express only.

## Handy Hoe Set

Composed of 3 pieces, Turning Plow, Hoe and Cultivator with handle. **Price, complete, \$1.50..** F. O. B. Memphis.

## Standard Flower Pots

	Without saucers.	Per Doz.	Per 100.
2 1/2-inch.....	\$ .20	\$1.25	
3-inch.....	.30	2.00	
4-inch.....	.60	4.00	
	Each.	Dozen.	
5-inch.....	\$ .10	\$1.00	
6-inch.....	.15	1.50	
7-inch.....	.25	2.50	
8-inch.....	.40	4.50	
9-inch.....	.50	5.00	
10-inch.....	.60	6.00	
12-inch.....	1.20	12.50	



Standard Flower Pot and Saucer

## Flower Pot Saucers

	Each.	Dozen.
4-inch.....	\$ .04	\$ .35
5-inch.....	.05	.50
6-inch.....	.08	.90
7-inch.....	.10	1.25
8-inch.....	.20	2.00
10-inch.....	.35	3.50
12-inch.....	.50	5.00

## Bulb, or Half Pots

	Each	Dozen
6-inch.....	\$ .15	\$1.50
7-inch.....	.25	2.50
8-inch.....	.40	4.50

## Paper Flower Pots

These are made of heavy Neponset Paper and are nearly equal to the stoneware styles, and much more convenient to handle.

2-inch: 100, 40c; 1,000, \$3.50.
2 1/2-inch: 100, 50c; 1,000, \$4.50.
3-inch: 100, 75c; 1,000, \$6.00.
3 1/2-inch: 100, \$1.00; 1,000, \$8.00.
4-inch: 100, \$1.25; 1,000, \$10.00.



## Azalea, or 3-4 Size

	Each	Dozen
6-inch.....	\$ .15	\$1.50
7-inch.....	.25	2.50
8-inch.....	.40	4.50

The above prices are F. O. B. Memphis, packed carefully, but no allowance made for breakage. File claim for breakage against railroad.

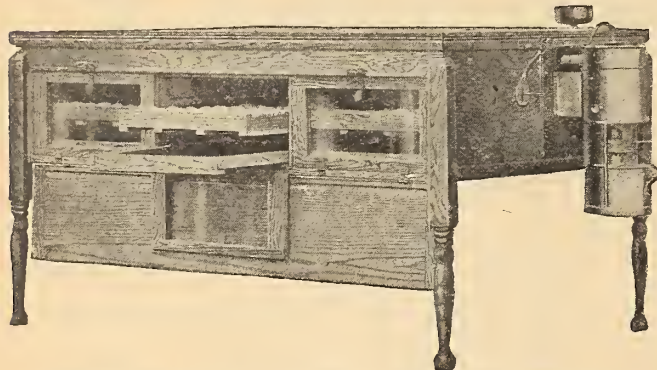


# R.-H. CO'S. INCUBATORS and BROODERS

We are agents for the following well-known machines, which we consider the best on the market, without an exception. We carry a full line in stock, also lamp bowls, burners, chimneys, wicks, etc., and are prepared to make prompt shipments. Send for special catalogues. Owing to limited space, we are unable to describe them fully, but will send full catalogues and circulars on request. Prices quoted are all F. O. B. Memphis.

## Queen Incubators

Queen Incubators are made of California Redwood, double case, each lined with asbestos felt; dead air space all around, extra heavy copper heaters and tanks with lock steam joints, making them indestructible; the improved heaters use all the heat generated—no loss of oil. Large up-to-date sanitary nursery tray safety lamp with seam-



less galvanized bowl that cannot leak. Faultless ventilation that requires no attention; regulators that control the temperature, making "Queen" Incubators automatic and easiest to operate.

No. 20—Style K	70-Egg Incubator, each.....	\$16.50
No. 21—Style K	130-Egg Incubator, each.....	27.50
No. 22—Style K	220-Egg Incubator, each.....	36.75
No. 2—Standard	135-Egg Incubator, each.....	37.50
No. 3—Standard	180-Egg Incubator, each.....	44.50
No. 4—Standard	275-Egg Incubator, each.....	57.75
No. 5—Standard	400-Egg Incubator, each.....	68.00
No. 25—Standard	600-Egg Incubator, each.....	103.00

Ask for complete descriptive catalogue of Queen Incubators and price list of Queen Incubator repairs.

## Queen Coal Burning Brooder



Queen Coal Burning Brooder Stove

A new moderate price Stove Brooder equal to any make on the market; self-feeding, self-regulating. Stove pot solid heavy cast iron. Easy to fill and easy to clean. We guarantee the Queen Brooder in every way.

600-Chick Queen Coal Burning Brooder.....	\$21.50
1200-Chick Queen Coal Burning Brooder.....	26.50

F. O. B. Memphis. We do not furnish stove pipe.

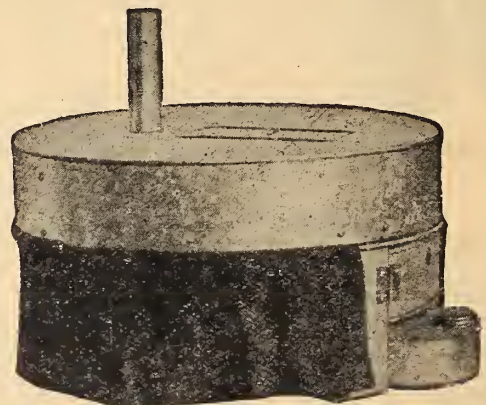
## Prairie State Incubators

The Prairie State is one of the best hot-air Incubators on the market. It has been a most popular machine for many years and has won an enviable reputation for remarkable hatches and healthy chicks. It is well made of cypress and the moisture is supplied "nature's way," by means of a tray of sand under the eggs. Those preferring a hot-air machine can get nothing better than the Prairie State. Ask for a complete descriptive catalogue.



No. 0—100-Egg Prairie State

No. 0—Standard—Capacity 100 Eggs.....	\$30.00
No. 1—Standard—Capacity 150 Eggs.....	37.50
No. 2—Standard—Capacity 240 Eggs.....	52.50
No. 3—Standard—Capacity 390 Eggs.....	67.50



## Prairie State Junior Portable Hover

Made of galvanized iron; fireproof, portable, ventilated and easy to heat. Can be used indoors or outdoors; can be easily cleaned, as it sits directly on the floor. Supplied with a powerful wafer regulator which controls the temperature. This is the latest brooding device put out by the Prairie Incubator Co. Price, complete, \$12.50.

## Prairie State Universal Hover

Can be used indoors or can be used in any outhouse, box or colony house. Make your own outdoor brooder with this outfit, which is one of the most satisfactory heating devices on the market. Price, complete with lamp case and regulator for outdoor use, \$10.50.

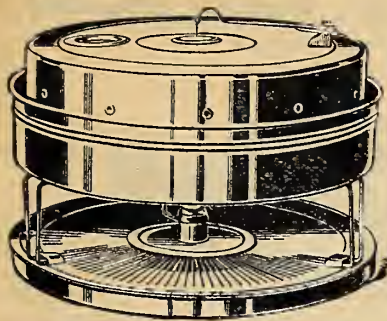
## National Coal Burning Brooder

A coal-burning Brooder Stove with an extra heavy fire pot. Will burn either hard or soft coal, as the chimney collar is 5 inches in diameter, equipped with automatic regulator and fully equal to the standard Buckeye Brooders. We guarantee the National Coal-Burning Brooder Stove in every respect. Price:

No. A—500-Chick National Brooder.....	\$21.50
No. B—1,000-Chick National Brooder.....	26.50



# R.-H. CO'S. INCUBATORS AND BROODERS



50-Egg Cycle Hatcher

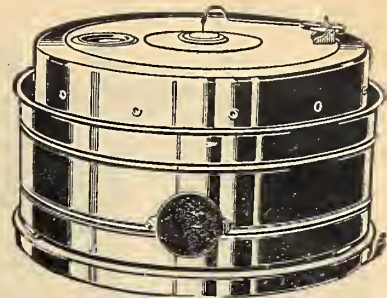
## Cycle Hatcher Metal Mother Incubators

These are simple, safe and practical machines for hatching chicks on natural principles. All metal, and will not warp. They have perfect ventilation and are both easy to heat and regulate.

The brooder hatchers are a practical incubator and brooder combined, one lamp serving both purposes. These little machines have a large lamp bowl; need filling only twice during the three weeks of operation.

Prices as follows:

Cycle Hatcher—50-egg Incubator, each...\$ 9.00  
Cycle Hatcher and Brooder Combined, each ..... 11.00



50-Egg Cycle Hatcher and Brooder

## Famous Old Trusty Incubators and Brooders

These hot water machines, with copper tank, have been on the market for nearly 30 years and have given utmost satisfaction.

The improvements are up to date; the automatic advancing thermometer holder brings the thermometer out to you when opening the door and returns it to the proper place when closing the door, and therefore no more danger of breaking thermometers.

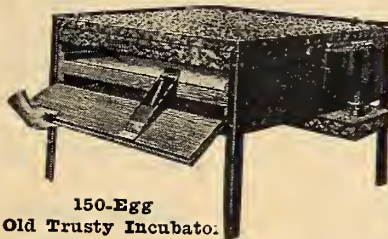
100 to 120-egg Old Trusty Incubator, each.....\$19.10  
150 to 175-egg Old Trusty Incubator, each..... 21.05  
200 to 240-egg Old Trusty Incubator, each..... 27.50  
100-chick Old Trusty Lamp Heated Brooder, each.... 10.25  
150-chick Old Trusty Lamp Heated Brooder, each.... 11.25  
200-chick Old Trusty Lamp Heated Brooder, each.... 12.25



### Baby Old Trusty Incubator

60-70 Egg—Made of galvanized iron with copper tank and has the Special Thermometer holder; in other words, it is like the larger size Old Trusty Incubator, with exception of the lamp bowl.

Price of Baby Old Trusty Incubator, \$15.50 each, F. O. B. Memphis.



150-Egg  
Old Trusty Incubator.

## Combination Incubator Brooder, shipped together, nested:

100-120 egg Old Trusty Incubator and 100 chick brooder ..... 29.55  
150-175 egg Old Trusty Incubator and 150 chick brooder ..... 30.55  
No. 10—500-chick Old Trusty Trash Burning Brooder Stove ..... 19.75  
No. 4—300-chick Old Trusty Metal Brooder Hen ..... 15.00  
200-250 egg Old Trusty Incubator and 200 chick brooder ..... 36.00

## FUL-O-PEP CHICK STARTER

### FUL-O-PEP CHICK STARTER

Is the perfect starting food for Baby Chicks.  
See Page 79 for price.

## Oakes' Improved All Metal Incubator

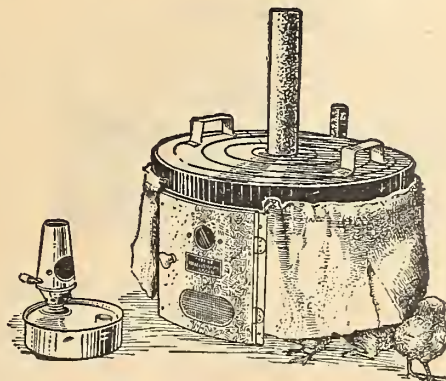


A simple, satisfactory hot water incubator; nothing to get out of order; has copper tank, the Oakes air cooled safety burner, and an excellent regulating device, thoroughly dependable and easy to operate.

60 egg capacity: Each, \$11.00.

100 egg capacity: Each, \$16.50. F. O. B. Memphis.

## Oakes' Economy Hovers



Easy to heat, having a small lamp flame; made of galvanized steel; strong and durable. Being portable, it can be used in any box or brooder house.

No. 1—18-inch, 60 chick size: Each, \$7.00.

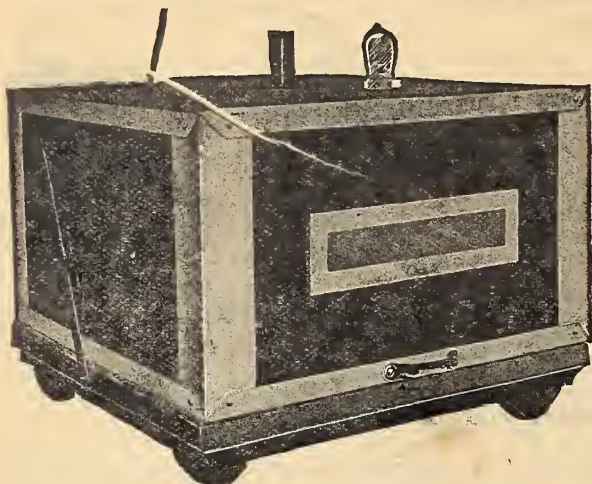
No. 2—22-inch, 100-chick size: Each, \$10.00.



# R.-H. CO'S. INCUBATORS AND HOVERS

Reed Self-Regulating Electric Incubators

Reliable Blue-Flame, Wickless, Oil-Heated Colony Hover



## Reed 110-Egg Electric Incubator

The perfect way, operates on city current or farm plants. No oil lamps to fill, no external heat, no smell, fireproof, foolproof, constant automatic temperature regulation.

When ordering, state voltage on your supply current, as the machine will operate just as well on alternating as direct current. Ask your power plant to give you the proper voltage.

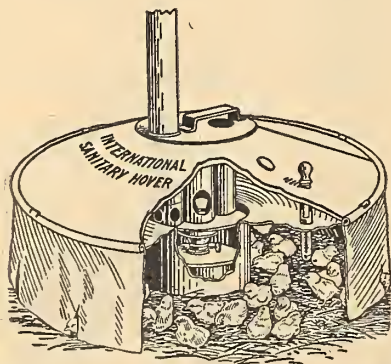
65-egg Reed Electric Incubator.....	\$37.50
110-egg Reed Electric Incubator.....	45.00
225-egg Reed Electric Incubator.....	65.00

All F. O. B. Memphis.

## Reed Electric Portable Hovers

Self-regulating, no trouble, no odor, equipped with automatic cut-off to keep from getting too warm; very convenient. You will raise every chick in one of the Reed Electric Portable Hovers.

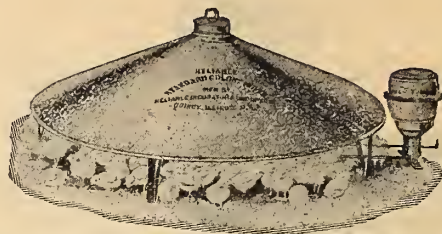
24-inch Reed Electric Hover.....	\$25.00
30-inch Reed Electric Hover.....	30.00
36-inch Reed Electric Hover.....	35.00



## The International Sanitary Hover

Circular in shape; is made of metal throughout, and fireproof. The Hover sets on floor just as a mother hen does. The lamp can be lifted out through the top and the operator does not need to kneel in the dust. There is no possibility of gases and fumes from the lamp getting into the air breathed by the chicks. The thermometer can be lifted out, looked at and dropped back without moving the Hover. (See illustration.) Can also be used as an oat sprouter. It will do the work quickly and satisfactorily. Ask for circulars.

Price No. 1, 100-chick size.....	\$12.50
Price No. 2, 350-chick size.....	18.50



A modern hover having the same capacity as the coal burning hover. Note a few of the special good points: burns coal oil, steady blue flame, easy to operate, no wick to turn, plenty of heat, no oil fumes, visible oil feed, convenient and safe, no smoke or gas, flow of oil being regulated automatically. The new improved machines will not overflow. They are perfect in every way. They have the latest model safety device to avoid any overflow of the oil.

Write for circulars about the wonderful hover.

No. 0—30-inch hover, 250 chick size, each.....	\$17.50
No. 1—42-inch hover, 500 chick size, each.....	18.50
No. 2—52-inch hover, 1,000 chick size, each.....	21.50

## The Up-to-Date Blue-Flame Hover

A new invention, equipped with combination gas diffuser which will not carbonize, which gives a uniform heat at all times. When once regulated it stays regulated. Ask for descriptive circular of up-to-date hovers.

Price 32-inch Hover, 150-chick size, \$16.00.

## The Simplex Brooder Stove

At last we have an oil burning hover with the safety overflow pipe, that automatically regulates the oil flow; makes no odor, gives uniform heat. The Simplex Stove Brooder is the greatest brooding device ever invented and offered to the public. Made in three sizes. Prices as follows:

Baby Simplex Brooder Stove, 250 chick size, each.....	\$24.00
Junior Simplex Brooder Stove, 500 chick size, each.....	30.00
Senior Simplex Brooder Stove, 1,500 chick size, each.....	37.50

F. O. B. Memphis

## Oakes Electric Incubators and Brooders

Sure hatchers, automatic so the heat is properly controlled, easy and convenient to operate. Supplied in 32 and 110 voltage.

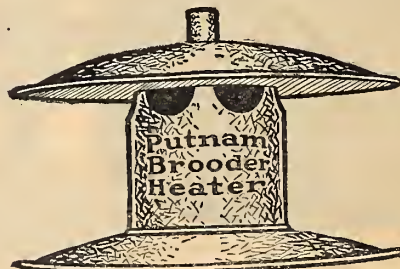
60-egg Oake's Electric Incubator.....	\$18.00
100-egg Oake's Electric Incubator.....	26.00
60-chick Oake's Electric Brooder.....	12.00
100-chick Oake's Electric Brooder.....	16.00

All F. O. B. Memphis

## Reliable Standard Coal Burning Brooder

Guaranteed to be equal of any coal burning brooder on the market and to give absolute satisfaction. Has all the latest improvements, automatic regulator to control check valve, rocker grate, built of heavy gray cast iron with asbestos pad attached to lower plate. Complete specifications, with catalogue supplied on request. Price:

No. 9—500-chick size Reliable Coal Burning Brooder .....	\$21.50
No. 10—1,000-chick size Reliable Coal Burning Brooder .....	26.50



## Putnam Brooder Heater

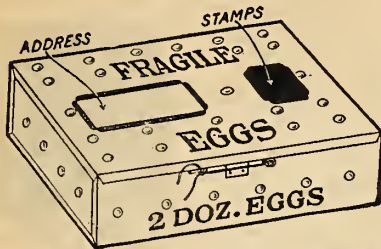
SAVE YOUR BABY CHICKS AT A SMALL COST

Requires filling but once a week. No other attention. It is so constructed that it acts like an open fireplace, carrying the foul air out and drawing the fresh air in, thus providing perfect ventilation automatically. Anyone can make the box in which the Putnam Brooder Heater is used. Full directions sent with every order. Price of Putnam Brooder Heater alone, \$4.75. By parcel post, \$4.96.



# R.-H. CO'S. EGG SHIPPING BOXES

## The Aluminized Egg Shipping Crates



solve the problem of shipping eggs, butter and other farm products by parcel post. They are made for continued use, being strongly constructed but light in weight.

All crates are provided with built-in shock absorbers to give a cushion for the eggs. Fillers to hold the eggs are made for long life.

Metal Egg Crates do not require outside wrapping for mailing. A short string only is needed for tying "pin" which holds lid securely closed.

### THREE STYLES

Metal Egg Crates are made to hold two, three, four and six dozen eggs each, also combination crates to hold eggs and butter of different quantities. Ask for circulars.

1½ doz. size, all eggs: **Each, 75c;** by parcel post, 90c.

2 doz. size, all eggs: **Each, \$1.00;** by parcel post, \$1.15.

3 doz. size, all eggs: **Each, \$1.20;** by parcel post, \$1.40.

4 doz. size, all eggs: **Each, \$1.45;** by parcel post, \$1.65.

6 doz. size, all eggs: **Each, \$1.70;** by parcel post, \$1.95.

Extra fillers for any of above egg crates: 60c a set; by parcel post, 65c set.

### COMBINATION CRATES

No. 1—Holds 2 dozen eggs and 7 lbs. butter: **Each, \$1.50;** by parcel post, \$1.70.

No. 2—Holds 1 dozen eggs and 3½ lbs. butter: **Each, \$1.50;** by parcel post, \$1.65.

No. 3—Holds 2 dozen eggs and 3 lbs. butter: **Each, \$1.65;** by parcel post, \$1.80.

No. 4—Holds 3 dozen eggs and 3 lbs. butter: **Each, \$1.85;** by parcel post, \$2.00.

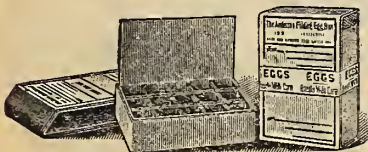
### METAL BUTTER CRATES

No. 6—Holds 6 lbs. of butter. **Each, \$1.75;** by parcel post, \$2.00.

No. 7—Holds 9 lbs. of butter: **Each, \$2.50;** by parcel post, \$2.70.

No. 5—Holds 14 lbs. of butter: **Each, \$2.50;** by parcel post, \$2.70.

## Anderson Sitting Egg Shipping Boxes



are made of corrugated paper with double-faced corrugated paper partitions protecting each individual egg.

	Express		Parcel Post	
	Each	Doz.	Each	Doz.
15-Egg size	.25	\$2.50	.30	\$2.85
30-Egg size	.35	3.50	.45	3.90
50-Egg size	.40	4.00	.50	4.40

## Moe's Regal Egg Boxes



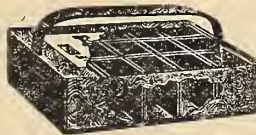
Every egg in a separate cardboard tube protected by a heavy outside corrugated cardboard box. One of the strongest shipping boxes for sitting eggs on the market.

No. 14—15-egg size: **Each, 25c;** by parcel post, 30c.

No. 15—30-egg size: **Each, 40c;** by parcel post, 50c.

No. 16—50-egg size: **Each, 50c;** by parcel post, 65c.

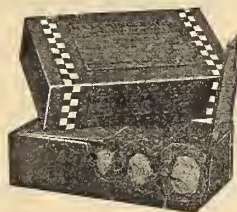
## Eyrie Egg Shipping Boxes



Specially made for shipping or delivering eggs for setting by express. They are made of corrugated paper, which is the best packing material known. The insertion of the handle automatically locks the box. The handle also prevents the putting of anything on top of the box, and provides a means of handling it, thus limiting the liability of rough usage by the express agent.

	Express		Parcel Post	
	Each	Doz.	Each	Doz.
15-Egg size	.20	\$2.25	.30	\$2.60
30-Egg size	.35	3.50	.45	3.90

## Hatchan Egg Box



Made with large cells to facilitate extra wrapping, double walled corrugated on all sides, protection division boards; easy and quick to pack; a most attractive and safe package. The Hatchan egg box is designed especially for transporting valuable eggs for hatching.

No. 3—15-egg size: **Each, 25c;** doz., \$2.50. By parcel post, 30c; doz., \$2.80.

## Parcel Post Egg Shipping Boxes

These boxes are so constructed that each egg is separated by a thickness of corrugated board and the entire contents are surrounded by a double wall of air-cushioned corrugated board.

	Express		Parcel Post	
	Each	Doz.	Each	Doz.
24-Egg size	.20	\$2.00	.25	\$2.35
36-Egg size	.25	2.50	.35	2.80
48-Egg size	.35	3.50	.45	3.90
60-Egg size	.40	4.00	.50	4.45
72-Egg size	.45	4.50	.55	5.05

## Cardboard Egg Cartons



These are intended for delivering eggs to consumers. Hold one dozen each; has two rows, six eggs each.

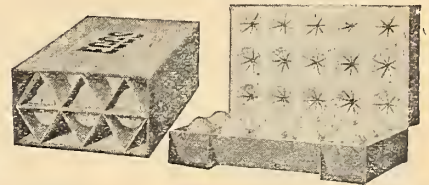
Doz., 20c; 100, \$1.50; 1,000, \$12.00. By parcel post: Doz., 30c; 100, \$1.80.

## Egg-Sell Parcel Post Boxes

The separate egg container acts as a cushion and prevents any breakage.

	Express		Parcel Post	
	Each	Doz.	Each	Doz.
12-Egg size	\$.10	\$1.00	\$.20	\$1.30
24-Egg size	.15	1.75	.25	2.10
36-Egg size	.20	2.00	.30	2.35
48-Egg size	.30	3.00	.40	3.50

## Diamond Egg Shipping Boxes



This is the strongest and safest egg shipping box on the market. Especially recommended for sitting eggs.

24-egg size: **Each, 20c;** doz., \$2.00; express. Parcel post: **Each, 30c.**

36-egg size: **Each, 25c;** doz., \$2.50. By parcel post: **Each, 35c.**

48-egg size: **Each, 30c;** doz., \$3.00; express. Parcel post: **Each, 40c.**

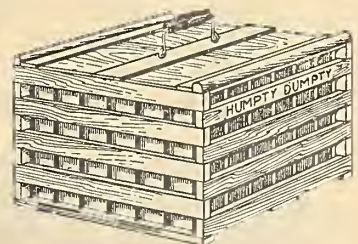
50-egg size: **Each, 40c;** doz., \$4.00; express. Parcel post: **Each, 50c.**

60-egg size: **Each, 45c;** doz., \$4.50; express. Parcel post: **Each, 55c.**

72-egg size: **Each, 55c;** doz., \$5.00; express. Parcel post: **Each, 70c.**

100-egg size: **Each, 65c;** express. By parcel post, 85c.

## Humpty Dumpty Egg Carrier



One of the handiest egg carriers on the market. This carrier will hold 12 dozen eggs. Can be folded flat for shipment and is made of strong but light wooden slats fastened with strong steel wires. Very handy and something every poultryman should have. Price: 90c; by parcel post, \$1.10.

Extra fillers and flats: 50c a set; by parcel post, 60c.



# R.-H. CO'S. POULTRY AND CHICK FEEDERS

## Moe's Single Chick Feeding Troughs



Just the thing for feeding baby chicks; has sliding top, easily cleaned; no sharp edges to injure chicks.

No. 55—12 inches long: **Each, 35c;** by parcel post, 45c.

No. 56—18 inches long: **Each, 45c;** by parcel post, 55c.

No. 57—24 inches long: **Each, 60c;** by parcel post, 75c.

## Moe's Double Feeding Chick Troughs



Has two sides, otherwise identical with the single trough.

No. 58—12 inches long: **Each, 45c;** by parcel post, 55c.

No. 59—18 inches long: **Each, 60c;** by parcel post, 75c.

No. 60—24 inches long: **Each, 75c;** by parcel post, 90c.

## Moe's Round Baby Chick Feeder

The most convenient feeder on the market. Can also be used for water. Two sizes. No. 11, 6 inches with 6 holes, and No. 12, 8 1/4 inches with 12 holes. Price: No. 11, 20c, by express; 30c, by parcel post. No. 12, 30c, by express; 40c, by parcel post.



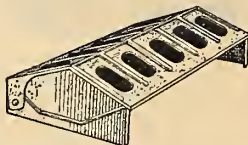
## Moe's Eclipse Feeding Trough

A new, popular priced feeding trough made of galvanized iron, for feeding baby chicks; stamped from one piece; no rivets or solder used. Sliding top makes them easy to clean. 10-inch, 30c; by parcel post, 45c. 20-inch, 45c; by parcel post, 60c.

## Oakes' Chick Feed Troughs

Made on a half circle so that every bit of feed can be easily eaten out of it. 10-inch trough, 30c; by parcel post, 45c. 20-inch trough, 45c; by parcel post, 60c.

## Cy Maco Chick Feed Trough



For small chicks; has hinged cover; prevents losing the top or spilling the feed; a practical device for feeding baby chicks dry mash, sour milk or water; made in two sizes. 10 inches, each, 40c; by parcel post, 50c; 20 inches, each, 55c; by parcel post, 65c.

## Moe's No. 21 Sanitary Feeding Troughs

Made especially for the larger size chicks; has sliding top, easily filled and cleaned; feeds dry mash, grain, water or sour milk.

No. 21—12 inches long: **Each, 40c;** by parcel post, 55c.

No. 22—18 inches long: **Each, 60c;** by parcel post, 75c.

## Oakes' Baby Chick Feed Hopper

Designed especially for feeding mash to baby chicks. The hopper is 8 inches in height and about 2 1/4 inches wide. It is made with an adjustable swinging front that eliminates any possibility of clogging. Two sizes. 10-inch, each, \$1.20; by parcel post, \$1.40; 20-inch, each, \$1.50; by parcel post, \$1.80.

## Round Chick Hoppers

Made of galvanized steel; has cone to keep feed from clogging. Trough is covered with lid which can be lowered at night, making hopper rat and mouse proof.

Height, 14 inches; diameter of hopper, 7 1/2 inches; diameter of pan. 12 inches. **Each, \$1.75;** by parcel post, \$2.00.

## Junior Chick Feeder

Accessible from both sides. Easily filled and cleaned. Price: 10-inch feeder, **Each, 35c;** by parcel post, 45c; 20-inch feeder, **Each, 50c;** by parcel post, 65c.

## Oakes' Grit and Shell Boxes

Chicks should have grit, oyster shell and charcoal always before them, and for this purpose our Chick Grit and Shell Box is indispensable. It is made of galvanized steel with three compartments.

Chick size: **75c;** parcel post, 90c.

Large size, for grown fowls: **\$1.10;** by parcel post, **\$1.20.**



## Moe's Magazine Chick Feeder and Waterer



A new round chick feeder with a magazine or container to hold a good quantity of feed. It can also be used as a drinking fountain, as the magazine is water and air tight.

No. 18—Moe's Magazine Chick Feeder, capacity 2 quarts: **Each, 65c;** by parcel post, 80c.

## Mor-Kik Feeders

Consists of base or bottom, two removable feed guards with oval openings, two side hopper sections and sliding lid.

The detachable self-feeding hopper can be raised or lowered by loosening four bolts; hopper filled through slide lid at top. Price:

No. 2—Mor-Kik Feeder, capacity 6 lbs., **\$1.50;** by parcel post, **\$1.75.**

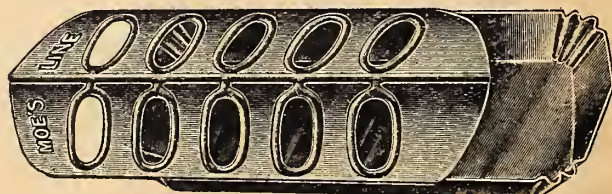
No. 3—Mor-Kik Feeder, capacity 10 lbs., **\$1.75;** by parcel post, **\$2.00.**

## The Norwich Chick Feeder



Convex in shape; impossible for the chicks to waste or scatter feed and the center rod prevents the chicks from getting into the feeder or to permit them to stand on it. Here is a device that any pollution or wasting is absolutely avoided; made with or without rain guard. The feeder with rain guard can be used outdoors to better advantage. Price: Without rain top, 75c; by parcel post, 95c. With rain guard, \$1.00; by parcel post, \$1.25.

## Moe's Aluminum Feeding Troughs



Buttermilk Feeding Troughs, made of pure aluminum, which is not affected by the acids of milk and similar feeds.

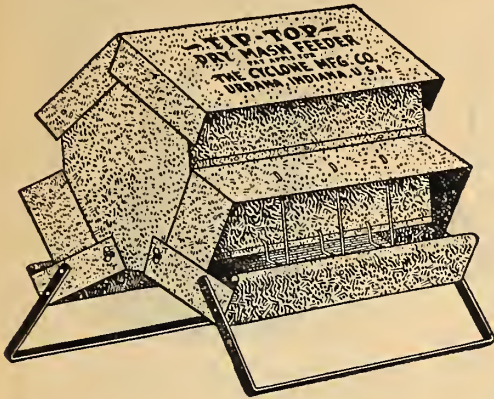
No. 69—10 inch: **Each, 50c;** by parcel post, 60c.

No. 70—20-inch: **Each, 90c;** by parcel post, **\$1.05.**



# R.-H. CO'S POULTRY FEEDERS

## The "Tip-Top" Dry Mash Feeder



Made entirely of steel and very substantially built. Among its many advantages are the following special features: Its special construction gives it the advantage of extra large capacity, same being about one-half bushel. The "Tip-Top" has twice the feeding room afforded by the ordinary feeders, and thus accommodates twice as many fowls at one time. The feed troughs are shedded, making the "Tip-Top" serviceable as an outdoor feeder. The "Tip-Top" is also equipped with agitators operated automatically by the fowls feeding, which absolutely prevents clogging.

Price: No. 12—Holds  $\frac{1}{2}$  bushel, \$2.25; by parcel post within 2nd zone, \$2.70.

Price: No. 24—Holds 1 bushel, \$3.75; by express or freight only.

## Atsatt Sanitary Poultry Feeder



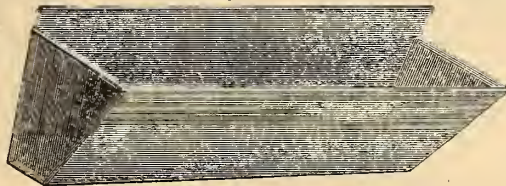
Made with hinged guard to keep fowls from wasting the feed; can be used for mash or any dry grain feed. The tapering guard keeps birds from roosting or setting on top of the feeder. The pan is 18 inches long, 6 inches wide and 3 inches deep, and holds 4 quarts.

Price: Each, 85c; by parcel post, \$1.00.

## Poultry Milk Troughs

This trough is designed for feeding of milk to poultry.

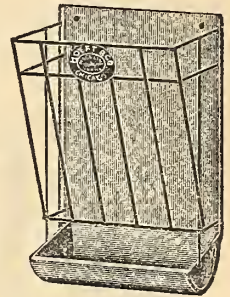
No. 2—5-pint size, 40c; by parcel post, 55c.



## Moe's Rabbit Hay and Feed Rack

For holding roots and hay, alfalfa, clover, etc. It prevents scattering hay and wasting. The round trough at the bottom catches the small, tender leaves.

Price: Each, 75c; parcel post, \$1.00.



## Moe's Never Clog Dry Food Hopper



### Food Hopper

One of the best hoppers on the market. Does not clog, no matter how coarse the mash is.

No. 35—12-qt. capacity, \$1.50; by parcel post, \$1.80.

No. 36—18-qt. capacity, \$2.00; by parcel post, \$2.40.

No. 37—24-qt. capacity, \$2.80; by express only.



## Full-O-Pep Dry Mash Feeder

One of the best dry mash feeders on the market. No wasting whatever since the inside screen in the cut above rests on top of the dry mash, and as the fowls eat the mash the screen settles. The Full-O-Pep Dry Mash Feeder is made in two styles; adjustable so that it can be used for baby chicks, growing chicks or hens.

Price: Adjustable style, \$1.25; by parcel post, \$1.40. Tall style for hens only, \$1.00; parcel post, \$1.15.

## 1-2-3 Shell Grit and Charcoal Feeder

A convenient size for a pen of fowls. It will serve one, two or three kinds of feed by using separator.

Price: Each, \$1.00; by parcel post, \$1.25.



## The Apaco Poultry Hopper

The Apaco Feeder will save work; insures proper feeding, increases egg production, decreases feed bills, scatters the feed thoroughly; it won't clog.

8-qt. size only, \$1.25; by parcel post, \$1.50.

## Felker's 1-2-3 Poultry Feeder

For dry mash, scraps, shells or grit. For more than one kind of feed use separator.

Price: Each, \$1.50; by parcel post, \$1.75.

## Ideal Dry Mash Feeder

Holds about 12 quarts; will accommodate 18 fowls and, having a heavy wire screen, will prevent any waste whatever; also prevents the birds from eating too fast; a practical and sensible device for any dry mash.

Price: \$1.60; by parcel post, \$1.85.

## Flat or Open Feed Pan

Size,  $2\frac{3}{4}$  inches deep, 6 inches wide, 18 inches long. A flat pan made of heavy galvanized iron; excellent for an open drinking vessel.

Price: 50c; by parcel post, 60c.

## Moe's Standard Grit and Shell Box



By the use of these self-feeding boxes practically every particle of grit, oyster shells, bone, meal and other materials supplied will be properly used, preventing all waste.

No. 45—Two compartments, chick size: Each, 40c, express; 50c, parcel post.

No. 9—Three compartments, hen size: Each, 90c, express; \$1.05, parcel post.

No. 90—Four compartments, hen size: Each, \$1.25, express; \$1.45, parcel post.



# R.-H. CO'S. CHICK AND POULTRY FOUNTAINS



## Atsatt's Sanitary Chick Drinking Fountain

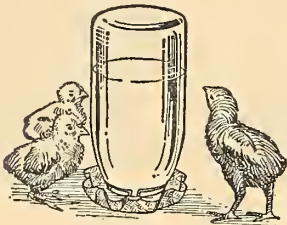
Will go in any brooder; easy to clean; will not upset; not injured by freezing.

Qt. size only, 40c, express; by parcel post, 50c.

## Economy Poultry Fountain and Feeder

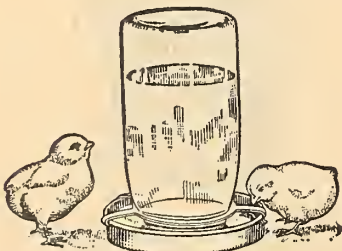
These pans make one of the finest feeders that we know of. The feet supporting the thread socket into which the Mason jar screws are firmly electric welded to the bottom of the pan. They can be used for either food or water and afford a constant clean supply. We do not furnish the glass jar, but any Mason jar will fit them.

No. 10 Economy Fountain: Each, 30c, by express; 40c, by parcel post.



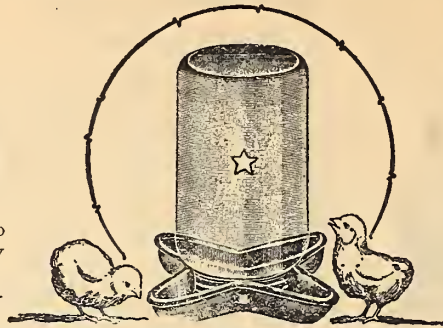
## Oakes' Feeder and Fountain

A galvanized pan made to hold any Mason fruit jar. Can be used either for feed or water. We do not furnish jars. Price: Each, 15c; 2, 25c; by parcel post, Each, 20c; 2, 35c.



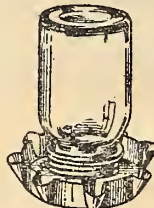
## The N. W. Chick Fountain

Feeds water, grain, etc., automatically. Is easy to fill and operate. Just lift the trigger, which releases pan, clip remaining on jar, leaving pan without any obstruction. Made to fit any half-gallon, quart or pint Mason jar. We do not furnish jar. Small size, each, 15c; 2, 25c by express. Parcel post, each, 20c; 2, 35c. Large size, each, 20c; 2, 35c, by express. Parcel post, each, 25c; 2 for 45c.



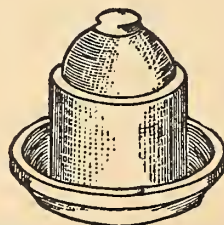
## Star Chick Fountain

No parts to come unsoldered. Leaking impossible. Will fit pint, quart or half-gallon Mason jar. Convenient, cheap and sanitary. One size only. Price of holder without jar. No. 32: Each, 15c; 2, 25c. By parcel post: Each, 20c; 2, 35c.



## Mason Chick Server

Made especially for baby chicks, with a small crimped edged pan. Any Mason jar fits them; furnished with round disk to avoid waste in handling. Price of fountain holder only, without jar, 15c; 4 for 50c; by parcel post, 20c; 4 for 65c.



## Stoneware Jug Shaped Fountain

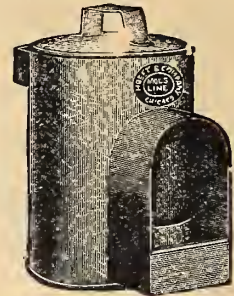
It is made in two parts, the saucer being separated from the upper portion, so it can be easily separated and thoroughly cleaned. Not mailable. Qt., 50c; 2 qt., 75c; 4 qt., \$1.00.

## 1923 Calendars

On receipt of five names of people in your community, who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1923 CALENDARS, which is very complete in every detail.

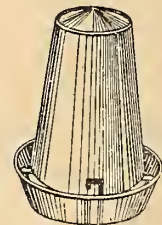
## Wall or Hub Fountains

Are made of the best galvanized iron and will last many years with the proper treatment. It can be hung on



wall of a building or against an upright post or board at any height. A hood projects over the water trough and prevents the water from becoming soiled.

Qt., 50c; by parcel post, 60c.  
2 qt., 85c; by parcel post, 95c.  
Gal., \$1.00; by parcel post, \$1.15.  
2 gal., \$1.35; by parcel post, \$1.60.



## Felker's Cone Fountain

For Chickens and Pigeons. A new and practical drinking fountain. A two-part attachable fountain. Chickens or pigeons can drink all around it, but cannot get into it or foul it. It being attachable makes it easy to move from place to place, and it is not easy to tip over.

1 qt., 40c; by parcel post, 50c.  
2 qt., 50c; by parcel post, 60c.



## Two-Piece Chick Fountains

This fountain consists of a cone-shaped bucket or can, and a stamped pan which forms the base and the trough from which the fowls drink.

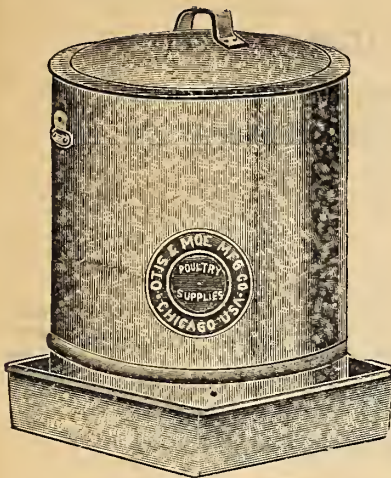
Qt., each, 35c; by parcel post, 45c.  
2 qt., 45c; by parcel post, 55c.  
3 qt., 60c; by parcel post, 75c.

## ORDERS FOR TREES

Will be filled as soon as weather permits. It usually requires eight to ten days to get the stock from our nursery. Remember, we will give your order attention at the earliest possible moment.



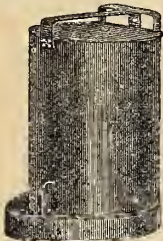
# R.-H. CO'S. POULTRY DRINKING FOUNTAINS



## Moe's Top Fill Fountain

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill; easy to care for.

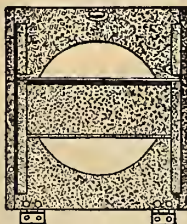
Gal., \$1.75, by express; \$2.00, by parcel post.  
2-gal., \$2.40, by express, \$2.80, by parcel post.  
4-gal., \$3.25, by express; \$3.70, by parcel post.



## Oake's Improved Drop Bottom Fountain

Easily cleaned. Convenient and well made. A new style fountain that will please.

1/2 gal. size, \$1.00; by parcel post, \$1.10.  
1 gal. size, \$1.25; parcel post, \$1.50.  
2 gal. size, \$1.50; parcel post, \$1.90.  
4 gal. size, \$2.25; parcel post, \$2.75.



## Moe's Trap Nest Front

The trap Nest Front that we offer is quickly attached to any box style nest. Cheaper and better than making your own. Simple in design, well made, trapping the hen without fail. Each, 50c; by parcel post, 65c.

## Moe's Rabbit Feed and Water Dish

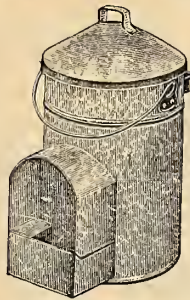
Made of heavy galvanized iron, with roll rim or top flange, which prevents the waste of food; diameter 5 1/4 inches, height 2 1/4 inches. It is held securely to the floor by a simple locking device, so that the dish cannot be tipped over. Easily removed for cleaning.

No. 46—Feed and Water Dish, 20c; by parcel post, 30c.

## The Duplex Fountain

The latest and most practical sanitary fountain on the market. This is a double fount, keeps the water clean and pure. Easy to fill, easy to care for.

4-qt., \$1.25; 8-qt., \$1.75; by parcel post, 4-qt., \$1.50; 8-qt., \$2.10.



## Oakes' New Automatic Fountain

Fills from the top without spilling water; can be hung on the wall or set on the ground; handled just like a bucket. One of the most simple and best fountains manufactured.

No. 1—2-gal. size, \$2.00; by parcel post, \$2.35.

No. 2—4-gal. size, \$3.00; by parcel post, \$3.40.

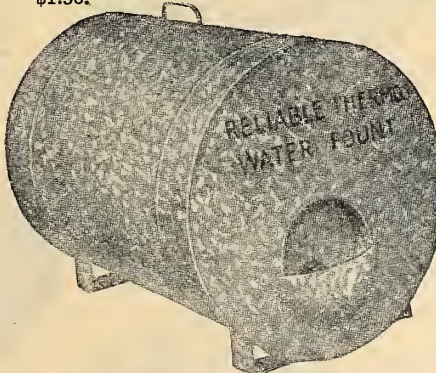


Stoneware Barrel Shaped Drinking Fountain

## Stoneware Barrel Shaped Drinking Fountain

For any one who desires a crock or earthenware drinking fountain, these founts are not excelled for poultry and pigeons. They keep the water cool and clean and are so manufactured that it is impossible for chicks to get wet or drown while using them. They are easily filled, never tip over and never get out of order. By freight or express only; cannot be mailed.

Price: 1 gal. size, 90c; 2-gal. size, \$1.50.



## Reliable Thermos Water Fountain

Will keep water from freezing in winter and keep it cool in summer; it is easy to fill by standing on end and filling through the large lip. Made of galvanized steel and heavily packed with a non-conductor; gives fine satisfaction.

2-gal. size, weight 20 lbs., \$3.25; by parcel post, \$3.75.

4-gal. size, weight 30 lbs., \$4.50; by parcel post, \$5.15.



## The Twin Duplex Fountain

Constructed with two water fronts, which doubles the drinking capacity eight-quart size. Each, \$2.00; by parcel post, \$2.25.

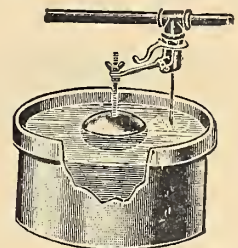
## Successful Oat Sprouter

Made in sections, double galvanized steel wall construction, will sprout oats, barley, etc., safely and quickly. Feed sprouted oats to the hens and watch them turn out the eggs. Price, No. 1, 2-tray: Each, \$11.00. No. 2, 4-tray: Each, \$14.00. No. 3, 6-tray: Each, \$17.50.

Extra Section, 2 trays, each \$5.00.

## Moe's Never Fail Trap Nest

As the name implies, it never fails. Every nest set up ready for use when shipped. No. 34, 12x12x14 1/2, complete, \$2.00; by parcel post, No. 34, \$2.40.



## Moe's Automatic Poultry Drinking Fountains

Can be attached to iron pipe, barrel or tank; insures a continuous supply of fresh water without waste. The automatic valve and float is entirely of brass, nickel finish with nothing to rust or clog up.

Price: Complete with pan, \$1.25; by parcel post, \$1.40; without pan, 90c; parcel post, \$1.00.

## Bottom Fill Galvanized Iron Drinking Fountain

Made of heavy galvanized iron, all seams being carefully turned and soldered; easily cleaned.

Qt. size, 35c, express; 45c, parcel post.

2-qt. size, 45c, express; 55c parcel post.

3-qt. size, 60c, express; 75c, parcel post.



## Coop Drinking Cup

Used for mating or exhibition coops. Each, 15c; 12, \$1.60; parcel post, each, 20c.



# R.-H. CO'S. POULTRY SUPPLIES

## Poultry Netting

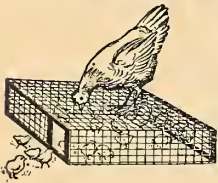
The best grades of No. 19 Galvanized Wire, priced per roll of 150 feet, all f.o.b. Memphis

We do not break or cut rolls.



Two inch mesh prices as follows:

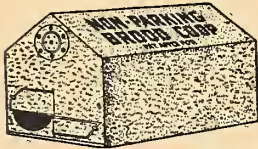
12 inches high, per roll of 150 feet.....	\$1.70
18 inches high, per roll of 150 feet.....	2.45
24 inches high, per roll of 150 feet.....	3.00
30 inches high, per roll of 150 feet.....	3.70
36 inches high, per roll of 150 feet.....	4.00
48 inches high, per roll of 150 feet.....	5.25
60 inches high, per roll of 150 feet.....	6.40
72 inches high, per roll of 150 feet.....	7.80



### The Perfection Baby Chick Feeder

This simple wire feeder protects the little chicks and insures them plenty of feed, and will pay for itself many times over in economy of feed. It can be used in connection with the Lawn Park Brood Coops. Price: Each, \$1.50. By express only.

### The "Non-Parking" Brood Coop



The "Non-Parking" Coop is the most roomy coop made without a park. Size 18 inches wide, 19 inches high and 25 inches long. The height of the coop insures plenty of fresh air overhead, which prevents smothering, so common in the small cheap coops. "The Jiffy" removable bottom takes the drudgery out of cleaning, making it simple, quick and easy. All set up ready to use. Price: Each, \$2.50. By freight or express.

#### SPECIAL COMBINATION

The "Non-Parking" Coop is so constructed that the "Babe" Chick Feeder locks to the front of the coop and forms an enclosure in which the chicks may be fed away from the hen, and also may have free range of grass, enjoy sunshine and fresh air, and at the same time be fully protected from hawks, rats, cats, dogs and all chick enemies.

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood.

Price of Non-Parking Brood Coop with the Babe Chick feeder, \$3.50. By freight or express only.



### Baby Chick Shipping Boxes

It is made from corrugated paper as the Anderson Egg Box. For shipment is folded flat, but can easily be set up and made ready for use.

25-chick size: Each, 20c; parcel post, 35c.
50-chick size: Each, 30c; parcel post, 45c.
100-chick size: Each, 40c; parcel post, 55c.

### Wire Hen's Nests

Made of copper steel wire, with plate steel ribs and heavy top wire; all copper finish. Provides a clean sanitary nest; it is fastened to the wall with nails or screw hooks. Price 14-inch nest: Each, 35c; 6 for \$1.75; By parcel post: Each, 45c.



### Fibre Ware Pigeon Nests

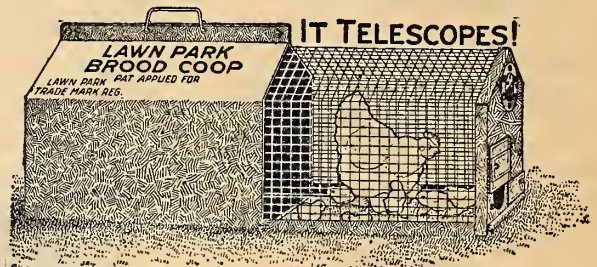
Made of strong fibre, being very durable and light; also are best for sanitary purposes. Price, each, 20c; 6, \$1.25; 12, \$2.25. By parcel post, 5c each, extra.



One inch mesh prices as follows:

12 inches high, per roll of 150 feet.....	\$3.25
18 inches high, per roll of 150 feet.....	4.70
24 inches high, per roll of 150 feet.....	5.90
30 inches high, per roll of 150 feet.....	7.00
36 inches high, per roll of 150 feet.....	8.00
48 inches high, per roll of 150 feet.....	10.50

### The Lawn Park Brood Coop



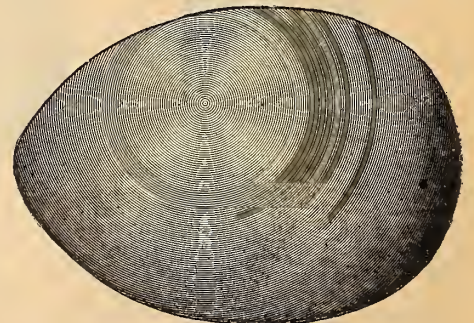
The wire park pulls out like bureau drawer and is made from heavy galvanized wire netting. Body of coop is made from strong galvanized steel. Size of coop, 18 inches wide, 19½ inches high, 48 inches long. Protects the chicks from hawks, rats, weasels, vermin, cold and storms. It is so ventilated that when park is pushed in, the air circulates freely without admitting rain or snow. Allows sunshine, fresh air and change of grass. Can be moved from place to place easily. The coop has removable galvanized bottom. Easy to clean. Each, \$4.00, set up ready to use. Knocked down in lots of six, \$21.00. F. O. B. Memphis.

### Eyrie Shipping Coops

Light in weight, but strong and durable. Ends and sides heavy corrugated cardboard. Top and bottom wood.

	Express	Parcel Post
No. B—3-bird size, each.....	.65	\$ .80
No. C—4-bird size, each.....	.35	1.00
No. D—5-bird size, each.....	.90	1.10
No. E—6-bird size, each.....	1.00	1.20

### Nest Eggs



### Lime Nest Egg

These are very effective, especially the medicated ones, which not only act as a nest egg, but will kill mites and lice at the same time. Prices as follows:

Medicated Nest Eggs: Doz., 75c; by parcel post, 90c.  
Lime Nest Eggs, 40c; by parcel post, 55c.  
China Nest Eggs: Doz., 40c; by parcel post, 55c.  
Bisque Nest Eggs: Doz., 60c; by parcel post, 75c.



# R.-H. CO'S. POULTRY SUPPLIES

## Poultry and Chick Leg Bands



These are adjustable to fit any size fowl, very light and will not come off easily. Numbered from 1 to 300. Price, per doz., 15c; 25, 25c; 100, 60c; parcel post paid.

## Elite Colored Pigeon Bands

Made of a special grade of aluminum with colors plain, and has large numbers; superior to any other pigeon band on the market. Colors green, red, white, yellow, numbered in pairs. Price: 12 pairs, 45c; 24 pairs, 85c; parcel post paid.



Elite Pigeon Bands

## Victor Colored Numbered Leg Bands

An extra strong colored band with large numbers. We can furnish them in Red, Yellow, Green, Blue and White. They fit any breed being adjustable. Numbered. Price: Doz., 40c; 25, 75c; 100, \$2.75; parcel post paid.



## Perfection Celluloid Key Ring Band

These slip on like a key ring; cannot drop off; easily removed if necessary. Made of the various colors—white, pink, yellow, green, dark blue, light blue, red and ruby. Made in all sizes. When ordering state for what breed

## The O. K. Chick Marking Band

These leg bands are made of aluminum, and are adjustable to three sizes. As the chick grows you do not have the trouble of changing bands and hunting up corresponding numbers.

Price: Doz., 15c; 100, 75c. Parcel post paid.

## Tycos Incubator Hygrometers

The importance of a correct percentage of moisture during incubation has made the "Tycos" Incubator Hygrometer as necessary as the "Tycos" Incubator Thermometer. Price: Each, \$1.50; by parcel post, \$1.60.

## Mandy Lee Hygrometer

For testing the moisture in incubators. Price: Each, \$2.00, parcel post paid. Extra wicks, Each, 10c; 3 for 25c.

## Petty Poultry Punches

These are made for marking baby chicks by punching a hole in the web between the toes. Very simple and satisfactory. Price: Each, 10c; 100, \$1.00; parcel post paid.



## Incubator and Brooder Thermometers

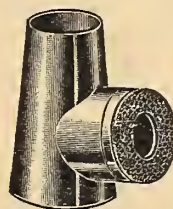
We handle the celebrated Tycos Thermometer. They can be used in any make of incubator. Just state which



machine you are using and whether you want the thermometer to hang or to stand. Prices as follows:

No. 5770—Straight pattern, with adjustable legs, ea....\$ .75  
No. 5774—Angle pattern, to hook on wire, each..... .70  
No. 5780—Flat pattern Thermometer, each..... .70  
No. 5782—Certified Thermometers, each..... 1.25  
Tycos Thermometer—For Buckeye Incubator, each.... .95

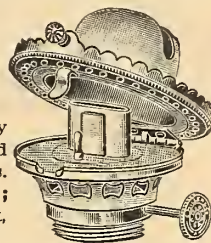
Tycos Thermometer—For Cyphers Incubator, each..... .95  
Tycos Thermometer—For Cycle Hatcher, each..... .90  
Reed Electric Incubator Thermometers, each..... 2.25  
Reed Electric Brooder Thermometers, each..... 2.25  
Cycle Hatcher Thermometers, each..... 1.00  
Prairie State Incubator Thermometers, each..... 1.00  
Old Trusty Incubator Thermometers, each..... .90  
No. 5790—Tycos Brooder Thermometers, each..... .50  
No. 5794—Tycos Brooder Thermometers, each..... .40  
No. 5715—Tycos Dairy Thermometers, each..... .45  
No. 5780—Tycos Hot Bed Thermometers, each..... 2.00  
No. 5440—Tycos Weather Thermometers, each 30c and .40  
Prairie State Incubator Thermometers, each..... .90  
By parcel post, 10c each extra.



## The Dandy

### Egg Tester

Will fit any hand lamp and tests your eggs. Price, each, 35c; by parcel post, 45c.



## Incubator and Brooder Lamps

No. 1 Lamp Bowls—Each.....\$ .60 By parcel post, \$ .75  
No. 2 Lamp Bowls—Each..... .75 By parcel post, .85  
No. 3 Lamp Bowls—Each..... .90 By parcel post, 1.00  
Sun Hinged Lamp Burners—Three sizes, 50c, 75c and \$1.00 each.  
Zenith Chimneyless Lamp Burners—No. 1, 50c; No. 2, 65c; by parcel post, 5c each extra.  
Lamp Wicks (Cotton)—All sizes, 3 for 10c; 12 for 35c, parcel post paid.  
Lamp Wicks (Red Felt)—All sizes, 2 for 10c; 12 for 50c, parcel post paid.  
Lamp Chimneys for Incubators and Brooders—Strong metal:  
No. 103—Height 6 in.; fits 1 and 2 burners. Each, 35c. By parcel post, 45c.  
No. 104—Height 6 in.; fits No. 3 burner. Each, 35c. By parcel post, 45c.



Anti-Sitting Device



Chick Greaser



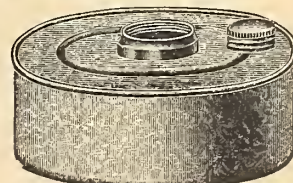
Lamp Chimney

## Anti-Sitting Device

The humane anti-sitting device is a little article that will stop a hen sitting in 48 hours. Price: Each, 10c; per doz., \$1.00; parcel post paid.

## Pilling Caponizing Set

Speedier operations can be performed than with any device ever offered. Price \$3.50; parcel post paid.



Lamp Bowl

## Automatic Chick Greaser

Kills mites, head lice and other insects on the baby chicks while they are eating; their heads rub against the wick and they grease themselves. Price: Each, complete, \$1.00; by parcel post, \$1.20.

And color you want them. Prices as follows, parcel post paid:

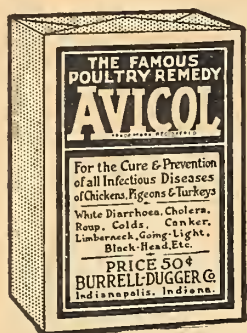
	Doz.	25	50	100
No. 1—Asiatic breeds	\$.20	\$.30	\$.55	\$1.00
No. 2—Mediterranean breeds	.20	.30	.55	1.00
No. 3—American or Leghorn	.20	.30	.55	1.00
No. 4—Bantam & growing stock	.20	.30	.55	1.00
No. 5—Pigeon size	.20	.30	.55	1.00
No. 6—Baby Chick size	.20	.30	.55	1.00

## Reliable X-Ray Egg Candler

Tests six eggs at a time. You need no lamp, no dark or secluded spot. Price: Each, \$1.00; parcel post, \$1.20.



# R.-H. CO'S. POULTRY SUPPLIES



## Avicol

A safe and effective remedy in tablet form for White Diarrhoea, Cholera, etc., in small and large grown fowls. Avicol is now being used by thousands of successful poultry raisers the world over. **Price:** 25c, 50c and \$1.00 a box. Parcel post paid.

## Oculum

Prevents and cures White Diarrhoea in baby chicks; a scientific remedy and prevention of poultry diseases; also a splendid egg producer. **Per bottle, 50c; large size, \$1.00.** Not mailable.



## Don Sung

A new discovery, makes hens lay, absolutely guaranteed to put your hens in good condition and make them lay more eggs.

Don Sung (Chinese for egg laying) is given in the feed and doesn't force or burst the hen in any way; in fact, it makes her healthier. It is a new scientific discovery for hens that merely stimulates the egg organs, making her strong and vigorous, and as a result she lays regularly in any season. Try a box. **Price:** Box, 30 tablets, 50c, parcel post paid. Large size box, 90 tablets, \$1.00. Special size, 500 tablets, \$5.00, parcel post paid.

## Poultry Mustard

Improved digestion means greater nourishment from a given quantity of food; this means more eggs. This is not ordinary table mustard, but is prepared for poultry alone. By freight, 3-lb. box, 85c; by parcel post, \$1.00.

## TALCIMIZED SODIUM FLUORIDE

### Sodium Fluoride Kills Poultry Lice

The U. S. Department of Agriculture recommends Sodium Fluoride to kill poultry lice. They report that it does the work better than anything else, killing both old and young lice, including the young which come from the eggs present on the fowl at the time of treatment. **Price:** ¼-lb. box, 35c; by parcel post, 45c; 1-lb. box, 60c; by parcel post, 75c.

## Salt Brick

Careyized Salt Brick. Pure salt in brick shape, pressed very hard. 3-lb. brick, 25c; by parcel post, 40c; 50-lb. brick, \$3.00.

Blackman's Medicated: Each, 25c; by parcel post, 40c.

### Bee Dee Stock and Poultry Powders

A poultry and stock medicine, formerly called Black Draught. Highly recommended for all stock and poultry troubles, hog cholera, etc. 25c a can; by parcel post, 32c.



## Bu-Du

A sure remedy for roup, colds, influenza, etc., in poultry. Guaranteed to give perfect satisfaction. **Price:** Per Box of 90 tablets, 50c; parcel post paid.



## Carbola

The disinfectant that paints. Carbola is infinitely superior to lime, which loses what slight disinfectant qualities it ever had by slacking when exposed to the air. It may be used on either stone, brick wood, metal or cement, and can be put on over a whitewashed or painted surface. Can be applied with either sprayer or brush. **Price,** trial pkg., postpaid, 45c; by express, 30c; 10-lb. pkg., \$1.25; by parcel post, within second zone, \$1.40; 50-lb. sack, \$5.00; by express only.

## Water Glass

For preserving eggs. Put your eggs down in the spring and summer when they are cheap and keep them fresh for ten months with Sterlingworth water glass. One quart is sufficient for 12 dozen eggs. 1-qt. size, 40c; 1-gal. size, \$1.25. Not mailable.



## Revenge Lice Powder

An oily Lice Powder that sticks well to the feathers and will kill all body lice on poultry. **Per box, 25c, 50c; by parcel post, 30c, 60c.**

Cypher's Lice Powder: 5 oz., 10c; by parcel post, 15c; 3 lbs., 40c; by parcel post, 60c.



## Cholérine

A scientific compound for curing cholera, roup and other poultry ailments; they take their own medicine, as the preparation is used in the drinking water. Two size bottles, 35c and 65c each. Not mailable. Cholérine Tablets, 65c a box. Postpaid.

## Licecil

Kills poultry lice by simply hanging up the bottle in the poultry house. Where the house cannot be conveniently closed mix the whole bottle of Licecil with half gallon of kerosene and spray this mixture at intervals of three days. Full directions and circulars sent with all orders. **Prices:** 1 bottle, 80c; 3 bottles, \$2.25; ½ gallon, \$2.25; gallon, \$3.75. Sent by express only.

## Bee Brand Insect Powder

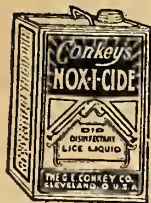
Absolutely the most effective and satisfactory insect powder on the market; also good against fleas, lice and the pesky fly. **Small can, 25c; medium can, 50c; large can, \$1.00.** By parcel post: **Small can, 30c; medium can, 60c; large can, \$1.10.**

## Red Star Disinfectant

Absolutely sure death to all bugs, insects, ants, roaches and mosquitoes. A clear liquid, this will not stain the most delicate article and is fully guaranteed in every way. **Price:** 1-qt. can, 75c; ¼-gal. can, \$1.25; 1-gal. can, \$2.35. By express only.



# R.-H. CO'S. POULTRY SUPPLIES



## Conkey's Remedies

We recommend Conkey's because we know Conkey's is absolutely dependable. Conkey's must satisfy you or we'll refund your money quick.



		By Parcel Post	
Conkey's Canker Special, Box.....	\$ .50	\$ .60	
Conkey's Cholera Remedy, Small.....	.25	.30	
Conkey's Cholera Remedy, Large.....	.50	.60	
Conkey's Blackhead Remedy.....	.50	.60	
Conkey's Gape Remedy, Small.....	.25	.30	
Conkey's Gape Remedy, Large.....	.50	.60	
Conkey's Limberneck Remedy.....	.50	.60	
Conkey's Lice Fix, Small Box.....	.25	.30	
Conkey's Lice Fix, Large Box.....	.50	.55	
Conkey's Headlice Ointment, Small.....	.10	.12	
Conkey's Headlice Ointment, Large.....	.25	.30	
Conkey's Lice Powder, Small.....	.10	.12	
Conkey's Lice Powder, 48-oz.....	.50	.60	
Conkey's Poultry Worm Powder, Small.....	.25	.35	
Conkey's Poultry Worm Powder, Large.....	.50	.60	
Conkey's Poultry Laxative, Small.....	.25	.35	
Conkey's Poultry Laxative, Large.....	.50	.60	
Conkey's Poultry Condition, Small.....	.25	.35	
Conkey's Poultry Condition, Large.....	.50	.60	
Conkey's Poultry Tonic, 1 1/2 lb. Pkg.....	.25	.35	
Conkey's Poultry Tonic, 3 lb. Pkg.....	.50	.60	
Conkey's Poultry Tonic, 12 lb. Pail.....	1.60	2.00	
Conkey's Roup Remedy, Small.....	.25	.30	
Conkey's Roup Remedy, Med.....	.50	.55	
Conkey's Roup Remedy, Large.....	1.00	1.10	
Conkey's Roup Pills, Small.....	.30	.35	
Conkey's Roup Pills, Med.....	.60	.65	
Conkey's Roup Pills, Large.....	1.20	1.30	
Conkey's Scaleg Leg Remedy.....	.25	.30	
Conkey's Sorehead Remedy, Small.....	.25	.35	
Conkey's Sorehead Remedy, Large.....	.50	.60	
Conkey's Sulphur Candles.....	.15	.20	
Conkey's White Diarrhea Rem., Small.....	.25	.35	
Conkey's White Diarrhea Rem., Med.....	.50	.60	
Conkey's White Diarrhea Rem., Large.....	1.00	1.10	
Conkey's White Diarrhea Rem., 1200 Tablets.....	3.50	3.60	
Conkey's Cow Special, 1 1/4 lb.....	.50	.60	
Conkey's Cow Special, 2 1/4 lb.....	1.00	1.10	
Conkey's Bag Ointment.....	.25	.30	
Conkey's Stock Tonic, 1 lb.....	.25	.35	
Conkey's Stock Tonic, 1 1/2 lbs.....	.50	.60	
Conkey's Stock Tonic, 7 lbs.....	1.00	1.15	
Conkey's Gall Salve.....	.25	.30	
Conkey's Lice Liquid, qt.....	.60	(not mailable)	
Conkey's Lice Liquid, 2 qts.....	.90	(not mailable)	
Conkey's Lice Liquid, gal.....	1.50	(not mailable)	
Conkey's Noxicide, pt.....	.45	(not mailable)	
Conkey's Noxicide, qt.....	.70	(not mailable)	
Conkey's Noxicide, 2 qts.....	1.15	(not mailable)	
Conkey's Noxicide, gal.....	1.80	(not mailable)	

## Pratt's Poultry and Stock Remedies

		By Parcel Post	
Pratt's Cholera Remedy, Small.....	\$ .25	\$ .30	
Pratt's Condition Tablets, Small.....	.25	.30	
Pratt's Special Comp. Cholera Rem.....	.25	.30	
Pratt's Chicken Pox Remedy, Small.....	.35	.40	
Pratt's Chicken Pox Remedy, Large.....	.70	.80	
Pratt's Gape Remedy, Small.....	.30	.40	
Pratt's Lice Powder, Med.....	.30	.40	
Pratt's Lice Ointment.....	.35	.40	
Pratt's Poultry Reg., Small Pkg.....	.25	.35	
Pratt's Poultry Reg., Med. Pkg.....	.50	.60	
Pratt's Poultry Reg., Large Pkg.....	1.10	1.25	
Pratt's Poultry Reg., 12 lb. Pail.....	1.40	1.70	
Pratt's Roup Powder, Small.....	.25	.30	
Pratt's Roup Tablets, Small.....	.25	.30	
Pratt's White Diarrhea Cure, Small.....	.25	.30	
Pratt's White Diarrhea Cure, Large.....	.50	.60	
Pratt's Calf Tonic.....	.50	.60	
Pratt's Horse Worm Remedy.....	.50	.60	
Pratt's Heave Horse Remedy.....	.50	.60	
Pratt's Distemper Remedy.....	.50	.60	
Pratt's Cow Remedy.....	.50	.60	
Pratt's Animal Reg., Small.....	.30	.40	
Pratt's Animal Reg., Med.....	.60	.70	
Pratt's Red Mite Special, qt.....	.60	(not mailable)	
Pratt's Dip and Disinfectant, qt.....	.55	(not mailable)	
Pratt's Fly Chaser, 1/2-gal.....	.75	(not mailable)	
Pratt's Fly Chaser, gal.....	1.25	(not mailable)	

## Thomas Hog, Poultry and Stock Powder

		By Parcel Post	
Dr. Thomas Hog Powders, 2 lb. Pkg.....	\$0.50	\$0.60	
Dr. Thomas Hog Powder, 15 lb. Pail.....	2.00	2.30	
Dr. Thomas Colic Remedy.....	.50		
Dr. Thomas Poultry Powders, Small Size.....	.25	.30	
Dr. Thomas Stock Powders, Small Size.....	.25	.30	

## Le Gear's Poultry Prescription

Le Gear's Poultry Prescription shortens the moult, aids digestion, sharpens the appetite and stimulates the egg producing organs without injury.

		By Parcel Post	
Dr. Le Gear's Poultry Prescription, Sm. \$	.25	\$ .30	
Dr. Le Gear's Poultry Prescription, Med.....	.50	.60	
Dr. Le Gear's Stock Powders, Small.....	.25	.30	
Dr. Le Gear's Stock Powders, Med.....	.50	.60	
Dr. Le Gear's Hog Prescription, Med.....	.50	.60	
Dr. Le Gear's Heave Distemper, Med.....	.50	.60	
Dr. Le Gear's Colic Remedy, Med.....	.50	.60	
Dr. Le Gear's Healing Powder, 2 oz.....	.25	.30	
Dr. Le Gear's Gall Remedy, Small.....	.25	.30	
Dr. Le Gear's Dip & Disinfectant, 8 oz.....	.25	qt. .50	
Dr. Le Gear's Stock Powders, 25 lb. Pail.....	2.25		
Dr. Le Gear's Hog Prescription, 25 lb. Pail.....	3.00		

## Figaro Liquid Smoke

Is a liquid smoke and contains nothing except what is obtained by burning hickory wood. By applying two coats of Figaro Liquid Smoke directly to the meat with a brush after meat has gone through the salt, it will be thoroughly smoked; will have a delicious flavor and will keep solid and sweet.

20 ounce bottle, \$1.00; 40 ounce bottle \$1.50. By express only.

## Fly Sprays

These are used to keep flies off cows and horses. We carry the best brands on the market.

Cow Ease: qt. 50c; 1/2 gal. 75c; gal., \$1.25.  
Conkey's Fly Knocker: qt., 50c; 1/2 gal., 85c; gal., \$1.50.  
Pratt's Fly Chaser: 1/2 gal., 75c; gal., \$1.25.  
S. & W. Spray: qt., 40c; gal., \$1.00.  
These cannot be mailed.



## Dr. Hess Poultry and Stock Food



		By Parcel Post	
Dr. Hess Poultry Panacea, 1 1/2 lb. Pkg.....	\$ .25	\$ .30	
Dr. Hess Poultry Panacea, 5 lb. Pkg.....	.75	.85	
Dr. Hess Poultry Panacea, 12 lb Pkg.....	1.25	1.50	
Dr. Hess Roup Remedy, 4 oz. Pkg.....	.25	.30	
Dr. Hess Stock Tonic, 2 lb. Pkg.....	.25	.35	
Dr. Hess Stock Tonic, 4 1/2 lb. Pkg.....	.50	.60	
Dr. Hess Instant Lice Powder, 1 lb. Box.....	.25	.30	
Dr. Hess Instant Lice Powder, 2 lb. Box.....	.50	.60	





## Lee's Poultry Supplies

These products were invented by George H. Lee, the author of the Lee books, for use in his own poultry work. It is the oldest and most popular line on the market.

### Lee's Egg-O-Hatch

A preparation for putting on the eggs in an incubator to make them hatch better. It straightens the chick and rots or weakens the shell. By express, 50c; by parcel post 60c.

## Lee's Germozone

During eighteen years has proven wonderfully effective for diseases of poultry, including roup, colds, sore head, swelled head, chicken pox, canker, cholera and diarrhoea. Most diseases are spread through the drinking water and germs picked up with food. Germozone in the drinking water prevents these troubles also. Thousands give it regularly twice a week to old and young chickens. Price, 4 oz. size, 40c; 12 oz., 75c; 32 oz. size, \$1.50. Not mailable.

Germozone Tablets: 25c, 65c a box; by parcel post paid.



	By Express	Parcel Post
Lee's Egg Maker, 2-lb. box.....	\$.35	\$.45
Lee's Egg Maker, 5-lb. box.....	.75	.90
Lee's Lice Powder, small size.....	.25	.35
Lee's Lice Powder, large size.....	.50	.60
Lee's Hog Remedy, 7-lb. box.....	.75	.95
Lee's Eggolatum, per jar.....	.50	.60
Lee's Liquid Lice Killer, 1 quart*	.60	
Lee's Liquid Lice Killer, 2 quarts*	.90	
Lee's Liquid Lice Killer, gallon*	1.50	
Lee's White Diarrhoea Remedy, 4-oz. bottle*	.25	
Lee's White Diarrhoea Cure, 12-oz. bottle*....	.50	

\*Not mailable.

## Licene

Licene will destroy every louse and "nit" on your chickens, usually keeping them free from lice for six months. Per tube, 60c; by parcel post, 5c extra.

## Pipene

One application cures the worst case of Roup. Pipene is injected in the nostrils from inside the mouth and one treatment effects a sure cure. Price, 65c; parcel post, 70c.

## Diarrhene

Prevents and cures White Diarrhoea in baby chicks; is absolutely a sure and safe remedy. Price, 60c; by parcel post, 67c.

## Coldene

For colds in chickens; put up in tablet form, absolutely guaranteed. Price, 60c a box. By parcel post, 65c.

## Reumatene

For rheumatism in chickens caused by exposure to draughts, cold or wet houses; convenient and easy to administer. Price, 60c a box. By parcel post, 65c.

## Liverene

For inflammation of the liver; will absolutely cure this common trouble in poultry. We absolutely guarantee Liverene. Price, 60c a box. By parcel post, 65c.

## Poxene

For the chickenpox; is absolutely guaranteed to cure this troublesome disease. Price, 60c; parcel post, 65c.

## Tonene

A tonic for chickens, especially good for moulting and as an appetizer. Price, 60c a box; parcel post, 65c.

## Smok 'Em

We have a full supply of Smok 'Em preparations, all of which are fully guaranteed. Circulars on application.

**SMOK 'EM ROUP REMEDY**—Cures them over night. Small can, \$1.25; by parcel post, \$1.50. Large can, \$2.00; by parcel post, \$2.40.

**GIANT SMOK 'EM LOUSE KILLER**—Kills lice and mites while the chickens are on the roost. Large cans, \$2.25; by parcel post, \$2.45.

**DOUBLE HEALTH AND EGG PRODUCER**—A sure health builder; guaranteed to make the poultry produce more eggs. Small box, \$1.00; by parcel post, \$1.20. Large box, \$1.50; by parcel post, \$1.70.

**SPAHR'S LICE AND MITE OINTMENT**—Kills head lice, red mites, scaly leg mites, deplumage mites, etc. Large can, \$1.50; by parcel post, \$1.75.

## Z-Ennergy

Get More Eggs with Dr. B. F. Kaup's Tonic Z-Ennergy For Laying Hens

Z-Ennergy, a stimulating, health building tonic, scientifically prepared in proper dosage and made of ingredients to stimulate the reproductive organs and the appetite by increasing the flow of gastric juices and aiding digestion. It's a nerve stimulant—a stimulant to eliminative organs—a completely rounded out preparation of certain benefit to all fowls.

Fully guaranteed or money refunded. Directions for using on every package.

Price, 100 tablets, box, \$1.00. Parcel post paid.

## Avian Bacterin

Protect your flock against roup, colds, sore-head, chicken pox, etc., or save a large percentage of sick birds in flocks already affected with ASL Avian mixed bacterin.

This wonderful preparation is administered by means of a hypodermic syringe. Ask for circulars on Avian Bacterin. Complete directions with every package.

Price: 60-dose bottle, \$2.00; 250-dose, \$5.00.

Syringe and needle, \$1.50. Parcel post paid.



## Galli Cura

Prevents the development of white diarrhoea and will also cure them; give Galli Cura to your baby chicks, also should be used on the older birds; once or twice a week will keep them in best condition.

Price: 100 tablets, \$1.00. Parcel post paid.



Using Avian Bacterin

## Free

**FUL-O-PEP BABY CHICK FOUNTAIN HOLDER**—Will fit any Mason fruit jar; excellent for watering baby chicks. We will give one of these fountain holders free with every order for FUL-O-PEP Poultry Feeds amounting to \$5.00 or more. Ask us to include some in your order so we will know that you want it.

## Sulphur Fumigating Candles

A safe and effective fumigator. Moisture is given off with the gas, producing sulphurous acid gas, which is essential to thorough fumigation. Easily lighted and a sure burner. Each, 15c; by parcel post, 20c.

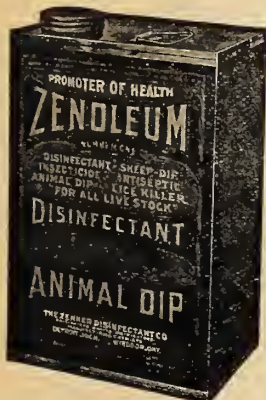






## Salvet Hog Oil

A medicated oil for using in any make of hog oiler. This is much superior to any black oil; lasts longer and does the work more thoroughly. 5-gal. can, \$4.00; by express only.



## Zenoleum

A scientifically compounded preparation. The various kinds are used for live stock and poultry to prevent lice and mites as well as general use about the farm, barn and the house.

Zenoleum is used and recommended by fifty agricultural colleges and experiment stations.

Zenoleum Dip and Disinfectant, 8-oz. can, by express, 35c.

Zenoleum Dip and Disinfectant, 1-qt. can, by express, 75c.

Zenoleum Dip and Disinfectant, 2-qt. can, by express, \$1.25.

Zenoleum Dip and Disinfectant, 1-gal. can, by express, \$2.00.

Zenoleum Dip and Disinfectant, 5-gal. can, by express, \$8.00.

Zenoleum Lice Paint, 1-qt. can, by express, 50c.

Zenoleum Lice Paint, 2-qt. can, by express, 90c.

Zenoleum Lice Paint, 1-gal. can, by express, \$1.25.

Above Not Mailable.

Zenoleum Lice Powder, by express, box, 25c; parcel post, 35c.

Zenoleum Roup Powder, by express, box, 25c; parcel post, 30c.



## O. K. Poultry Litter

A perfect scratching material for baby chicks. A deodorizer, absorbent disinfectant and labor-saving litter. It absorbs all the moisture from droppings. Will last for several months in your, brooder or poultry house. Price: 4 lbs., 25c; 20 lbs., \$1.00; 50 lbs., \$2.00. By parcel post, within 2nd zone: 4 lbs., 40c; 20 lbs., \$1.50. Per bale of about 170 lbs., \$4.75 f. o. b. Memphis.

## Bag Balm

A soothing ointment. Relieves and cures udder trouble, caked bags, cow pox, chapping, inflammation of all kinds in cows. Prevents soreness, makes the cow an easy milker. Price: Per box, 60c; by parcel post, 65c.



## Sterlingworth Salt Cat

A scientific combination to keep pigeons in health. Every pigeon fancier should feed Salt Cat. Per brick, 20c; by parcel post, 25c.

## Sterlingworth Remedies, Etc.

	Per Box	By Parcel Post
Sterlingworth Ant Driver.....	\$ .25	\$0.30
Sterlingworth Bed Bug Killer.....	.25	.30

## Miscellaneous Poultry Grains

Cotton Seed Meal, 5-lb. pkg., 25c; by parcel post, 40c.  
Buckwheat, 5-lb. pkg., 30c; by parcel post, 45c.  
Corn Chop, sifted, 5-lb. pkg., 20c; by parcel post, 35c.  
Hemp Seed, 5-lb. pkg., 50c; by parcel post, 65c.  
Millet Seed, 5-lb. pkg., 25c; by parcel post, 40c.  
Sunflower Seed, 5-lb. pkg., 50c; by parcel post, 60c.  
Wheat Shorts, 5-lb. pkg., 20c; by parcel post, 35c.  
Wheat Bran, 5-lb. pkg., 20c; by parcel post, 35c.  
Linseed Meal, 5-lb. pkg., 30c; by parcel post, 45c.  
Feeding Wheat, 5-lb. pkg., 25c; by parcel post, 40c.  
Larger amounts quoted on application.

## Salvet

Destroys worms in cattle, hogs and horses. Mixed in the feed the stock takes their own medicine. Send for booklet for information on this splendid preparation.

Stock Tonic: 5-lb. pkg., 65c, by express; 75c, parcel post paid.

Stock Tonic: 15-lb. pkg., \$1.50, by express; \$1.70, parcel post paid.

Stock Tonic: 50-lb. pkg., \$4.00, by express.

Stock Tonic: 100-lb. pkg., \$7.00, by express.

Poultry Tonic: 1½-lb. pkg., 25c, by express; 30c, parcel post paid.

Lice Powder: 1-lb. pkg., 25c, by express; 30c, parcel post paid.

Gall Cure: 25c, by express; 30c, parcel post paid.

1923 CALENDARS—On receipt of five names of people in your community who would be interested in receiving our Annual Seed Catalog, we will mail you one of our 1923 Calendars, which is very complete in every detail.



## Kow-Kare

Watch every cow, and at the first sign of disorder in appetite digestion or flow of milk, give a dose of KOW-KARE. Carefully follow the directions as given on the box, and that cow will get well.

KOW-KARE is in powder form, to be given in regular feed. It cures abortion, barrenness and scours, caked udder, removes retained after-birth, purifies the blood, strengthens the appetite, vitalizes the nerves and prevents disease. It increases the milk. It is a medicine for cows only.

Price: Small size, 65c; by parcel post, 75c. Large size, \$1.25; by parcel post, \$1.35.

## Red Cross Health Grit for Pigeons and Chicks

A tonic and grit combined for pigeons; one of the best preparations on the market. By freight, 6 lbs., 25c; by parcel post, within second zone, 40c.

## Safe Remedies for Us — and for You



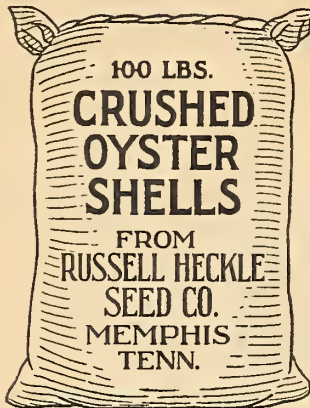
Being just as careful what we sell as you are of what you buy, we look upon KOW-KARE, the great cow medicine, and BAG BALM, the healing ointment, as entirely safe for both you and us. They always give satisfaction.





## R.-H. Co's. Crushed Oyster

### Shells



Indispensable for successful poultry keeping, as it aids digestion and the formation of egg shells. It is best to have it where the fowls can get at it all the time, as they will not eat any more than they need. In ordering please state whether the "fine" size is wanted for chicks and pigeons, or the "regular" size for grown fowls.

10 lbs., 25c; by parcel post, 45c, within second zone.

### Dried Buttermilk

A small amount of dried buttermilk added to your mash will make your chicks grow faster, larger and mature quicker. The lactic acid in dried buttermilk not only prevents white diarrhoea and other poultry troubles that play havoc with young chicks, but also increases the digestibility of the balance of the ration. Price: 1-lb. box, 25c; by parcel post, 35c; 5-lb. box, \$1.00; by parcel post, \$1.15.

### Semi Solid Buttermilk

Put up in paste form; when diluted makes a perfect buttermilk for feeding to poultry and hogs. One pound of semi-solid buttermilk will make one gallon of the liquid.

Price: 8-lb. can, \$1.10; 50-lb. can, \$4.00; 1/4 barrel, 150 lbs., \$9.50; 1/2 barrel, 260 lbs., \$14.25. F. O. B. Memphis.

### Full-O-Pep Oatmeal

Full-O-Pep Oatmeal is a specially prepared oatmeal for chicks. It makes muscle, bone and nerves very rapidly promotes big development, rapid growth and early maturity. Price: 3 lbs., 25c; by parcel post, 3 lbs., 40c.



### Meat Scraps

A standard meat food for poultry of all ages. For success and profit it is absolutely necessary to supply them with plenty of animal food in winter to take the place of bugs and other insects which they get during the summer months. By freight, 4 lbs., 25c; by parcel post, 40c.

## Alfalfa Meal

This is Alfalfa Clover, cured green and cut fine for poultry. It is an excellent substitute for green grass, and increases egg production in winter. 8 lbs., 25c; by parcel post within 2nd zone, 40c.

### Buckeye Rolled Oats

A valuable food for both adult fowls and growing chicks. By freight: 3 lbs., 25c; parcel post, 40c.

### Poultry Bone Meal

This is especially valuable for poultry as an egg maker and prevents leg weakness in young chicks. Mix it in their feed. We can furnish the coarse for hens and the fine grade for chicks. 3 lbs., 25c; by parcel post, 40c.

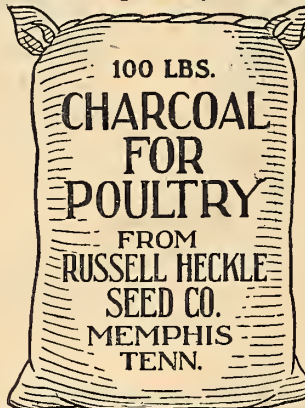
### Digester-Tankage or Meat Meal

A pure lean-beef fibre, carefully dried while fresh, and will keep indefinitely. It is excellent for hog feeding and may be mixed and fed in a mash to great advantage. By freight, 4 lbs., 25c; by parcel post, 40c.

## R.-H. Co's. Charcoal

We have had this charcoal put up for us to meet the demand for an evenly graded charcoal, free from dust and useless dirt.

Charcoal aids digestion, promotes health, and is generally corrective of



many of the poultry ills to which fowls are heir. A little charcoal goes a long way and is worth its weight in gold. Three sizes—Fine, for chicks; Medium, for half-grown fowls and pigeons; Coarse, for full-grown fowls. When ordering state size wanted.

2 lbs., 15c; 4 lbs., 25c. By parcel post: 2 lbs., 25c; 4 lbs., 40c.

### Globe Brand Pigeon Food

A mixture of various grains, cracked and whole, peas and seeds, all clean, well matured, without any corn, and always of a size so that the birds, young or old, are able to use every particle of it. By freight, 4 lbs., 25c; by parcel post, 40c.



### King Special Pigeon Food

With Whole Flint Corn—A well-balanced pigeon food. 10 lbs., 50c; 50 lbs., \$2.10; 100 lbs., \$4.00.

## R.-H. Co's. Grit for Poultry

A highly essential article for both large and small chicks. Don't fail to provide the fowls with some kind of grit. They need it as a grinder or so-called chicken's teeth. We can supply all kinds of grit.



## R.-H. Co's. Mica White Grit

A superior cubical grit containing in addition to the lime properties so desirable in poultry grit, a good quantity of pure mica. We consider it the finest grit for both young and old fowls.

No. 1 Size—For large chickens.

No. 2 Size—For growing birds and pigeons.

No. 3 Size—For baby chicks.

Be sure to state size wanted when ordering.

Price: 10 lbs., 25c. By parcel post within 2nd zone, 45c.

### Fish Meal

Excellent for making poultry mashes, being very high in protein. Use one pound fish meal in ten pounds of any good mash or wheat bran. Price: 4 lbs., 25c; by parcel post, 4 lbs., 40c.



### Blatchford's Calf Meal

The complete Milk-Equal.

It is absolutely the only milk substitute containing all the elements necessary for rapid and healthy growth, and the only calf meal that is thoroughly cooked and prepared for digestion. By freight: 25 lbs., \$1.50. By parcel post, within second zone, \$1.85.

### Blatchford's Pig Meal

Wean your little pigs easily and cheaply on Blatchford's Pig Meal. It gives big bone and solid flesh. Prevents loss of growth and vitality during the critical weaning period, and always makes the runts catch up. 25-lb. bag, \$1.25; by parcel post, within second zone, \$1.60.

### Blatchford's Lamb Meal

Especially prepared for young lambs and goats, besides bringing them to maturity quickly. It keeps them in the best condition at all times. Feeding directions in every bag. Price: 25-lb. bags, \$1.50; by parcel post, in limit of second zone, \$1.85.



# R.-H. CO'S. POULTRY FEED

## Conkey's Buttermilk Starting Feed

As the market changes on grain are so very frequent, we cannot make prices that will hold good throughout the season, but will be glad to quote upon application. Prices quoted on all poultry supplies are for goods by express or freight, charges collect, unless otherwise quoted.



### Conkey's, the Original Buttermilk Starting Feed, Raises Husky Chicks

This superior chick mash was the first commercial poultry feed containing buttermilk—that is why we call it the only ORIGINAL buttermilk starting feed.

Conkey's carries buttermilk in just the right proportion as an aid in prevention of bowel troubles, white diarrhoea, "leg weakness," etc. The buttermilk is Semi-Solid buttermilk, blended with the other ingredients by the ORIGINAL process in such a way as to preserve the appetizing, tonic, and other properties of the newly churned product.

Lactic acid in buttermilk is described as an "intestinal broom" which sweeps away unfriendly bacteria and disease germs in the delicate digestive tract. Buttermilk is also rich in one of the vitamins necessary to growing birds. It is a wonderful appetizer, aid to digestion and flesh builder.

Don't be influenced by "cheaper" imitations labeled "buttermilk"—that word may be used to deceive unwary buyers—to cover up a multitude of "sinful" grains, mill sweepings, poisonous weed seeds, musty screenings,

worthless by-products, or other poor material having little or no nutritive value.

Ask for circulars and prices on larger amounts.

Price: 2½-lb. package, 25c; 5-lb., 40c; 10-lb., 70c. By parcel post within second zone: 2½-lb., 35c; 5-lb., 55c; 10-lb., 85c.

### F. P. C. Chick Manna

F. P. C. Chick Manna, or Health Food for Little Chicks, promotes and preserves health. 1 lb., 20c; 3 lbs., 50c; 5 lbs., 75c; 15 lbs., \$1.90; 60 lbs., \$6.50. By parcel post: 1 lb., 25c; 3 lbs., 65c; 5 lbs., \$1.00; 15 lbs., \$2.25.

### Blatchford's Milk Mash

**WILL SAVE YOUR BABY CHICKS**—A milk substitute, which nourishes all kinds of young poultry the same as pure whole milk, at half cost. By freight: 4-lb. pkg., 40c; by parcel post: 55c; 25-lb. bag, \$1.50; by parcel post within second zone: 25-lb. bag, \$1.95.

### Chamberlain's Perfect Chick Feed

Contains meat, bone, charcoal, grit, oatmeal, etc. Does not contain CORN, and avoids bowel trouble, and other diseases caused by improper food. 4 lbs., 25c; by parcel post, 4 lbs., 40c. For bulk prices see Green Ink Price List Sheet enclosed.

# FUL-O-PEP POULTRY FEED

### FUL-O-PEP Chick Starter

To raise them all feed FUL-O-PEP Chick Starter, the "FUL-O-PEP Way," which provides the proper feeding from the time they are hatched until maturity.

FUL-O-PEP Starter is mild, soft, easily assimilated; just the feed to carry on and strengthen nature's process; it has the materials for making bone, tissue and feathers as well as for developing digestive capacity.

FUL-O-PEP Chick Starter is composed of oatmeal, ground puffed wheat, bone meal, fish scraps, and other valuable products.

Price, 8 1-3-lb. bag, 55c; by parcel post, 70c.

### Ful-O-Pep Growing Mash

This is, without doubt, the finest baby chick mash ever placed at the disposal of the poultryman, large or small. It is, in part, oatmeal ground fine—and nicely balanced with other bone and muscle forming ingredients conducive to the making of rapid growth. Feed it from the time they are ready for their first meal.

8½ lbs., 45c; by parcel post, 60c. See Green Ink list for bulk prices.

### Ful-O-Pep Fine Chick

A complete grain feed for chicks from 2 to 8 weeks old. It is a standard mixture of re-cleaned cracked grains and seed, hulled oats, fine granulated bone and fine charcoal. 8½-lb. package, 40c; by parcel post, 55c. See Green Ink list for bulk prices.

### Ful-O-Pep Coarse Chick

A mixture of grains a trifle larger than Baby Chick. Grains to be fed to baby chicks after eight weeks old. It is made like all the balance of the Full-O-Pep Feeds from the very best quality of grains cracked to the proper size, thoroughly sifted and clean.

By freight: 8½ lbs., 40c; by parcel post, 55c.

### Ful-O-Pep Dry Mash

You will agree with us, when you try it, that Full-O-Pep is the last word in an egg-producing ration. Two quarts to every ten hens. Feed it dry from a good hopper.

Price of Full-O-Pep Mash: 8½ lbs., 40c; by parcel post, 55c. For price on 100 lbs., or full bag lots, see Green Ink Price list, which we enclose.

### Ful-O-Pep Scratch Grain

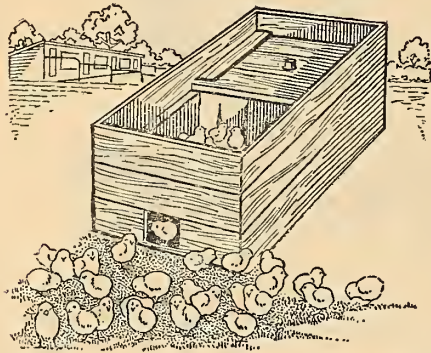
Contains a large assortment of small and cracked grain, giving the hen a properly balanced ration. It contains the grains for the laying hens to keep them in condition to lay; you should feed a dry mash along with it.

8½ lbs., 35c; by parcel post, 50c. See Green Ink Price List for bulk prices.



## Putnam Home Made Brooder \$4.96

This Year Save Your Baby Chicks and Do  
So At Small Cost With the Putnam  
Brooder



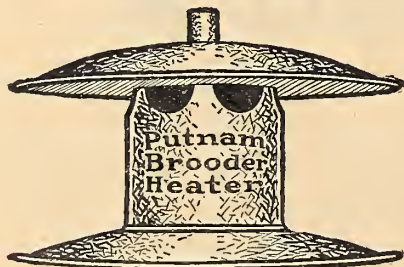
The materials used to make it were one shoe box, one-sixth yard of oil cloth and one **PUTNAM BROODER HEATER**. The total cost, including Heater, is only \$4.96. A 14-year-old boy can build one in an hour with no tools but saw and hammer. This Brooder will accommodate from 25 to 60 chicks and will take better care of them than any Brooder made, **no matter how elaborate or expensive**. Build one **NOW** and have it ready for the young chicks when they come.

### Advantages of the Putnam Home Made Brooder

The Brooder Heater is made of brass and galvanized iron—**IS PRACTICALLY INDESTRUCTIBLE**.

Capacity of Putnam **HOME MADE BROODER IS ELASTIC**. When chicks require more exercising space, heater and hover can be placed in larger box or other structure. **THE BROODER GROWS WITH THE BROOD.**

### In Successful Use for Years



**THIS BROODER HEATER** is in no sense an experiment. It has been on the market **IN SUCCESSFUL USE** for years. Thousands of them have been sold and they have given uniform satisfaction.

### How to Order

We do not sell the Putnam Home Made Brooder. We sell the Brooder Heater only. The price of Heater is \$4.75 or \$4.96, parcel post paid. With every Brooder Heater we will send **EASILY FOLLOWED DIRECTIONS** for making the Home Made Brooder. Remember we do not furnish the box, only the Brooder Heater as illustrated just above.

## The Little Putnam Stove



Keep drinking water from freezing. Water kept at a proper temperature is a big help in getting winter eggs. This little stove makes it easy to supply your fowls with water at just the right temperature all through winter. Set an ordinary fountain or water dish on this stove and it will keep the water from freezing. Absolutely safe, for if it becomes buried in the litter or is tipped over it will go out. Costs only 20c to 30c for oil to run an entire winter. Make your own oat sprouter with a Little Putnam Stove.

Directions furnished to all customers. Price, \$2.00; by parcel post, \$2.15.

### He Likes the Stove and His Hens Like It Better

I like the stove very much and the hens like it much better than I do because it furnishes them plenty of sprouted oats.

H. F. WILSON.

Medford, Ore., April 22, 1920.

### Baby Chicks by Parcel Post



**SPECIAL INSTRUCTIONS**  
Orders must be booked three weeks in advance, and cash must accompany order.

The above are all fancy breeds, 100% alive, delivery guaranteed. The seller guarantees safe delivery of chicks, but all claims must be made for loss or shortage within three days of receipt of shipment, and accompanied by carrier's deposition showing such shortage.

### PRICES ON BABY CHICKS:

White Leghorn, Brown Leghorn—25, \$6.00; 50, \$10.00; 100, \$18.00.

Barred Rocks, Rhode Island Reds—25, \$6.00; 50, \$11.00; 100, \$20.00.

White Rocks and White Wyandottes—25, \$7.00; 50, \$12.00; 100, \$22.00.

Mixed Lots—25, \$5.50; 50, \$10.00; 100, \$18.00.

Not less than 25 chicks sold.

Prices above, parcel post paid to your address. Orders must be booked three weeks in advance and remittances sent with order. Orders filled from January to June.



# R.-H. CO'S. BIRD CAGES and SUPPLIES

## Japanned Enamel Canary Cages

All supplied with Seed Guard.



No. 6 Round

No. 165DB—Oblong, 9½x6½x15½, each .....	\$2.75
No. 165DB—Oblong, 10½x7x16, each .....	3.25
No. 167DB—Oblong, 11x7½x16½, each .....	3.75
No. 168DB—Oblong, 12½x8¼x17, each .....	4.25
No. 6 —Round, 10 in. diameter, 16½ in. high, each .....	4.00
No. 6½—Round, 11 in. diameter, 17½ in. high each .....	4.50
No. 7 —Round, 12 in. diameter, 18 in. high, each .....	5.50

## Oblong Brass Canary Cages

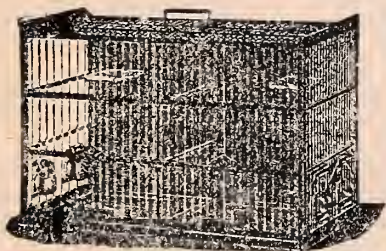
All supplied with draw bottom for cleaning, and also have brass guard to prevent birds from throwing seed on the floor of room.



No. 5004—Square

No. 5004—9½x6½, each .....	\$5.50
No. 5006—10½x7½, each .....	6.50
No. 5008—10½x7½, each .....	7.50
No. 5010—13x8½, each .....	8.50

## Metal Breeding Cages



No. 86—Metal Breeding Cage

No. 86S—17½x8¼x13¼, each .....	\$4.50
No. 86—20x10x14, each .....	5.50
No. 87—22x11x15½, each .....	6.50
No. 88—24½x14½x16½, each .....	7.50
By parcel post, 45c each extra.	

## White Enamel Cages

Brass Top, Riveted Rail, White Guard.

No. 674G—Round, 10 in. diameter, 16 in. high, each .....	\$8.50
No. 675G—Round, 11 in. diameter, 16½ in. high, each .....	7.50
No. 676G—Round, 11 9-16 in. diameter, 18 in. high, ea. ....	8.50
No. 231G—Square, 9½x6½x15½, each .....	4.25
No. 232G—Square, 10½x7x16, each .....	4.75
No. 233G—Square, 11x7½x16½, each .....	5.25
No. 234G—Square, 12½x8¼x17½, each .....	5.50
No. 235G—Square, 13x8¾x18, each .....	5.75

## Special Japanned Cages

Without draw bottom and no guard.

No. 02—8½x6x13½, each .....	\$2.25
No. 165—9½x6½x15½, each .....	2.40
No. 166—10½x7x16, each .....	2.70
No. 167—11x7½x16½, each .....	2.90
No. 168—12½x8¼x17, each .....	3.10

## Gold Fish Food

Wafer Fish Food, box .....	\$ .15
Natural Fish Food, box .....	.15

## Bird Cage Stands

Handsome, showy stands for holding any style canary bird cage.

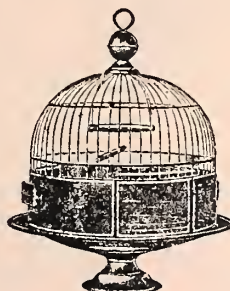
No. 9B—Wrought Iron, 5 ft. 7¼ in., Black Finish, each .....

No. 10—Polished Brass, 6 ft. 4 in., each .....

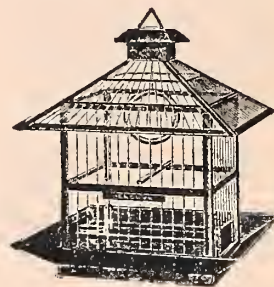


## Fancy Brass Canary Cages

Very handsome and showy outfits. Will please the most exacting customer.



No. 274—Round



No. 8020—Bungalow

No. 8020G —Bungalow style, Brass Guard, each .....	\$15.00
No. 8020GG—Bungalow style, Glass Guard, each .....	14.00
No. 25—New style, 10½x6½x15 in, each .....	9.00
No. 274—Round Brass, 10x16, with Seed Guard .....	5.50
No. 275—Round Brass, 11x16½, with Seed Guard .....	6.50
No. 276—Round Brass, 11 9-16x18, each .....	7.50

## Bird Supplies

	By Parcel Post.
R-H Mixed Bird Seed, 1 lb .....	\$ .15
R-H Plain Canary, 1b. ....	.15
R-H Bird Rape, 1b. ....	.15
R-H Bird Hemp, 1b. ....	.15
Russian Sunflower Seed, 1 lb. ....	.15
Phil. Mixed Bird Seed, 1 pt. ....	.20
Phil. Silver and Red Gravel, pt. ....	.10
Phil. Bird Bitters, bottle .....	.25
Phil. Bird Mite Powder, box .....	.25
Phil. Bird Moulting Pepper .....	.25
Phil. Bird Nestling Food .....	.25
Cuttle Fish Bone, large .....	.10
Phil. Bird Manna, each .....	.15
Red Cross Bird Grit .....	.20
Gunning's Bird Tonic .....	.50

## Bird Cage Accessories

	By Parcel Post.
Bird Cage Cups, glass or opal, each .....	\$ .20
Bird Cage Baths, each .....	.25
Bird Cage Brackets, 12 in. long, each .....	.35
Bird Cage Brass Springs, each .....	.25
Bird Cage Wire Nests, each .....	.15
Bird Cage Nesting Hair, pkg. ....	.10
Bird Cage Brass Springs, 1 ft., each .....	.20
Bird Cage Brass Springs, 2 ft., each .....	.30
Bird Cage Cuttle Bone Holders, each .....	.10

## Imported Canary Birds

Our birds are the genuine Hartz Mountain strain. Each one is thoroughly tested before shipping to be sure it is a No. 1 guaranteed singer. Price \$7.50 each.  
St. Andreasburg Rollers, highly trained. Price \$10.00 each.

Female canaries for breeding, \$2.50 each, F. O. B. Memphis. All birds shipped at owner's risk.



## Miller's A-1 Dog Ration

Miller's A-1 Ration is a complete food in itself. It contains all the natural body-building elements that are essential to dog health.

From the whole grains of wheat and barley, with bone and blood meal, with corn and meat, is made a complete ration, very nutritious, and exceptionally easy to assimilate and digest. It is a thoroughly cooked food, and mixed by scientific formula with extreme care.

### WHY SO ECONOMICAL?

If you have been using expensive dog foods, you may wonder at the economy that you will find in using Miller's A-1.

It is a food liked so well by your dogs that they will waste none of it.

It will keep indefinitely in any climate, thus making it practicable for you to order in large quantities and take advantage of the consequent savings in freight and cartage.

Miller's A-1 Ration is splendid for puppies as well as for grown dogs. Ask for circulars and feeding directions.

12½ lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.00; 500 lbs., \$27.50; 1,000 lbs., \$50.00. F. O. B. Memphis. By parcel post, within second zone, 12½ lbs., \$1.25.

## Perfection Dog Food

Perfection Dog Food contains cooked cereals, meat and bone in correct proportions. A chemical analysis shows it to contain the necessary amount of protein, fats and carbohydrates. Contains a well-balanced ration and is readily digested by any dog.

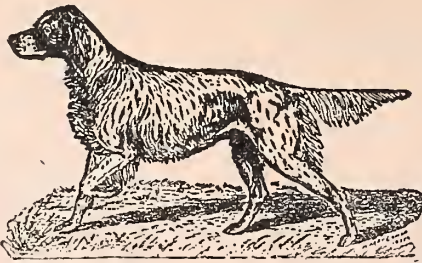
Ask for circulars and feeding directions.

12½ lbs., \$1.00; 25 lbs., \$1.75; 50 lbs., \$3.25; 100 lbs., \$6.00. By parcel post, within second zone, 12½ lbs., \$1.25.

## Champion Dog Cakes

Only clean, sweet meats, and the choicest of cereals are used in the manufacture of these foods.

50-lb. cartons only. Price: 50 lbs., \$4.50; 100 lbs., \$8.50. F. O. B. Memphis.



## Grover's Improved Dog Remedies

Used and endorsed by all kennels, clubs and prominent dog owners.

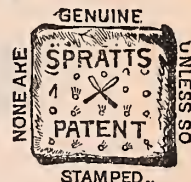
Glover's Mange Medicine.....	\$.60
By parcel post.....	.75
Glover's Distemper.....	1.25
By parcel post.....	1.40
Glover's Vermifuge.....	.65
By parcel post.....	.75
Glover's Worm Capsules.....	.65
By parcel post.....	.75
Glover's Tapeworm Cap.....	.65
By parcel post.....	.75
Glover's Condition Pills.....	.65
By parcel post.....	.75
Glover's Canker Wash.....	.65
By parcel post.....	.75
Glover's Eye Lotion.....	.65
By parcel post.....	.75
Glover's Blood Purifier.....	.65
By parcel post.....	.75
Glover's Diarrhea Med.....	.65
By parcel post.....	.75
Glover's Fit Medicine.....	.65
By parcel post.....	.75
Glover's Dog Tonic.....	.65
By parcel post.....	.75
Glover's Cough Mixture.....	.65
By parcel post.....	.75
Glover's Sorefoot Remedy.....	.65
By parcel post.....	.75
Glover's Black Tongue Remedy.....	.65
By parcel post.....	.75
Glover's Comp. Sulph. Tablets.....	.65
By parcel post.....	.75
Glover's Digestive Pills.....	.65
By parcel post.....	.75
Glover's Dog Liniment.....	.65
By parcel post.....	.75
Glover's Liver Pills.....	.65
By parcel post.....	.75
Glover's Kennel and Dog Soap.....	.30
By parcel post.....	.35

Write for H. Clay Glover's book on Diseases of Dogs.

## Spratt's Dog and Puppy Cakes

A well-known preparation having been used by dog fanciers for many years.

### SPRATT'S DOG CAKES



2½-lb. Box.....	\$.40
By parcel post.....	.50
5-lb. Box.....	.75
By parcel post.....	.90
50-lb. Carton.....	7.00
100-lb. bag by parcel post.....	13.50
Spratt's Puppy Cakes, box.....	.40
By parcel post.....	.50
Spratt's Cod Liver Oil Cakes.....	.50
By parcel post.....	.60
Spratt's Charcoal Puppy Cakes.....	.40
By parcel post.....	.50
Spratt's Fibo Puppy Food.....	.40
By parcel post.....	.50
Spratt's Puppy Meal.....	.40
By parcel post.....	.50

## Bennett's Milk Bone Dog Biscuit

This excellent dog biscuit is relished by all dogs and will keep them in very best condition. Per box, 40c; parcel post, 50c.

## Bennett's Milk Bone Puppy Biscuit

Made especially for puppies and they like them and grow fast on Milk Bone Biscuit. Box 40c; by parcel post, 50c.

## Vermilax Dog Remedies

Vermilax Mange Cure, ordinary bottle.....	\$.75
Vermilax Mange Cure, stainless.....	1.00
Vermilax Puppy Soap, pkg.....	.25



## Rat Bis-Kit and Paste

A new poison. No mixing, no trouble, no spreading. Guaranteed exterminator of rats, mice, roaches and bugs; the most convenient and surest way of killing these pests.

Price: Rat Biskit, 25c per box; Rat Biskit Paste, 25c per box. Not mailable.

## Champion Rat Trap

The galvanized wire rat trap, when properly baited, never fails to catch the rats. Price \$3.00 each. F. O. B. Memphis.

## \$1,000.00 Guaranteed Roach and Ant Killer

Absolutely guaranteed to kill and keep away these pests. After a thorough trial this splendid article has done what the manufacturers claim.

\$1,000.00 Guaranteed Roach Killer, 35c and 65c; by parcel post, 40c and 70c.

\$1,000.00 Guaranteed Ant Bane, 35c and 65c; by parcel post, 40c and 70c.

## Red Cross Rat and Mouse Embalmer

A sure rat and mouse destroyer that does the work thoroughly without any odor. It is absolutely the best preparation of its kind.

Price: 50c, \$1.00 and \$3.00 per can; by express only. Red Cross Rat and Mouse Embalmer being poison, cannot be mailed.

## Rat Annihilator

The modern rat destroyer. Kills and completely consumes the body of the rodent, leaving no bad odor. Safe, sure and sanitary. Per box, 20c; 12 boxes, \$2.00. Not mailable.

## Barium Carbonate

Sure death to rats and mice. Recommended by the U. S. government. Pkg., 25c; 6 pkgs., \$1.20; by parcel post, pkg., 35c.

## Rax



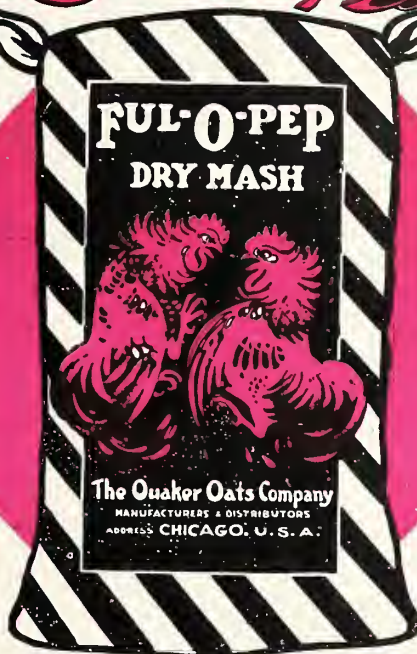
The scientific destroyer of rats; not a poison. They die outdoors; harmless to all other animals and human beings.

Price: 75c per bottle, enough for 500 feet of floor space; 85c parcel post.



# FUL-O-PEP

## Poultry Feeds



### Ful-O-Pep Fine Chick Feed

The base of Ful-O-Pep Fine Chick Feed is oatmeal. Besides oatmeal there are but two other ingredients, wheat and corn. Ful-O-Pep Fine Chick Feed is blended "just right." Give it a trial.

### Ful-O-Pep Coarse Chick Feed

Do be fed in place of fine chick feed just as soon as the chicks are old enough to be weaned from the regular chick size—usually at the age of three weeks. Rich in wheat and hulled oats—quality stands out all over this brand. Be sure to feed it in conjunction with Ful-O-Pep Growing Mash and prevent waste.

**"The Ful-O-Pep Way  
Makes Poultry Pay"**



### Ful-O-Pep Dry Mash

Reigns supreme over all other mash feeds as "the last word" in egg production. Known from coast to coast as the "feed that has made good." Used by large and small poultry raisers. Recommended by everyone throughout the poultry world. Nothing like it ever offered before for making eggs. Be sure you have the 1923 poultry calendar. Follow the Ful-O-Pep way. Success will be yours.

### Ful-O-Pep Scratch Grains

The highest quality scratch feed on the market. Contains corn, wheat, buckwheat, barley, milo, and sunflower seed. In feeding the Ful-O-Pep Way it is important to use this grade of scratch feed. No other can be "just as good," because this feed has been formulated to be fed in conjunction with Ful-O-Pep Dry Mash. No other will do.

### The Ful-O-Pep Way

Write to The Quaker Oats Company, Chicago, for their 1923 Poultry Calendar—it's Free—it tells the best way to care for your birds to get the most pleasure and profit.

**See Enclosed Price List for Prices**

### Ful-O-Pep Growing Mash

When fed according to the Ful-O-Pep Way, Ful-O-Pep Growing Mash will produce more pounds of gain in weight on less feed than any other feed on the market. This has been the experience of thousands of other poultry raisers and for this reason it is the cheapest priced feed one can use. The birds at all stages of growth are larger than other birds fed on any other feed. More chicks are raised—no digestive disturbances due to feeding when Ful-O-Pep Growing Mash is used. You are strongly urged to give it a trial. The results will amaze you. Made of oatmeal, meat and fish scraps, bran, hominy feed and ground puffed wheat.

**"Dry Mash Makes Eggs  
The More Mash—More Eggs"**







**RUSSELL-HECKLE SEED CO**

SALES STORE AND OFFICE  
24 SOUTH FRONT ST.

**MEMPHIS, TENN.**

WHOLESALE WAREHOUSE  
589-591 S. FRONT ST.